MURR ELEKTRONIK

stay connected

| Connection Systems For MINI Cordsets



| MUR Series Cables

| MUR Series Accessories

| MUR Series Receptacles

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stay connected

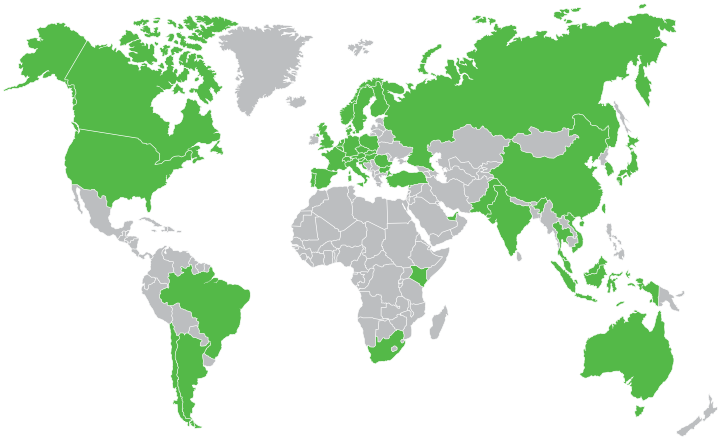
| MURRELEKTRONIK - MUR SERIES CABLES





Dear customer and prospective buyer, welcome to the Murrelektronik MINI Cordset catalog!

Founded in Oppenweiler, Germany in 1975, Murrelektronik is one of the leading manufacturers worldwide of state-of-the-art technology in electrical engineering and electronics.



Shaded areas represent Murrelektronik Subsidiaries Locations.

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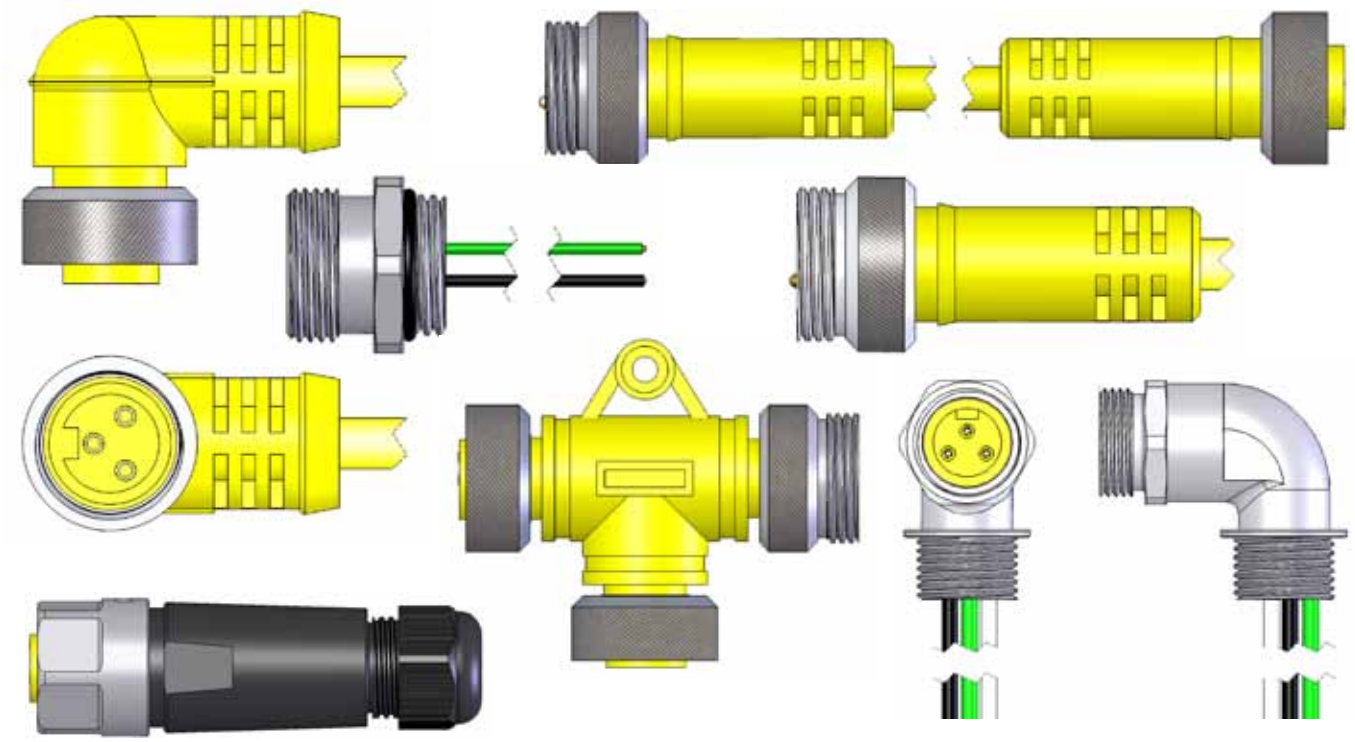
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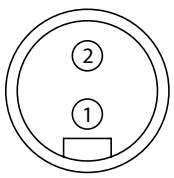
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Murrelektronik, Inc | 3751 Venture Drive | Suite 230 | Duluth, GA 30096
Tel: (770) 497-9292 | Fax: (770) 497-9391 | www.murrinc.com

MUR Series Size I Cordsets

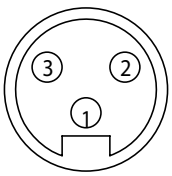
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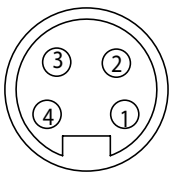




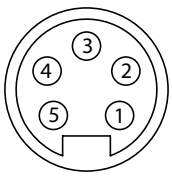
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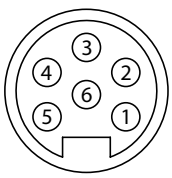
3 Pole



4 Pole



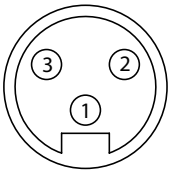
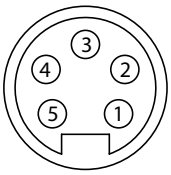
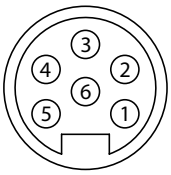
5 Pole



6 Pole

MUR Series Size I Cordsets

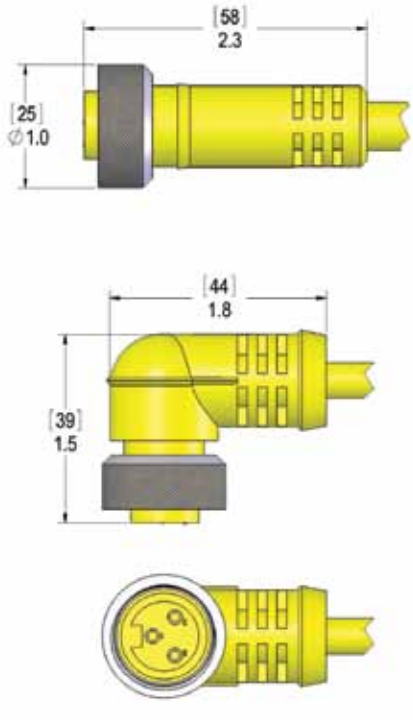
North American Color Code | PVC Cable | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs	
					Straight	Right Angle	Straight	Right Angle
	**3**	1-Green/Yellow 2-Black 3-White	18 300V 10A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-3FPX-3 MUR-3FPX-6 MUR-3FPX-12 MUR-3FPX-20 MUR-3FPX-30	MUR-3FPX-3-R MUR-3FPX-6-R MUR-3FPX-12-R MUR-3FPX-20-R MUR-3FPX-30-R	MUR-3MPX-3 MUR-3MPX-6 MUR-3MPX-12 MUR-3MPX-20 MUR-3MPX-30	MUR-3MPX-3-R MUR-3MPX-6-R MUR-3MPX-12-R MUR-3MPX-20-R MUR-3MPX-30-R
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-5FPX-3 MUR-5FPX-6 MUR-5FPX-12 MUR-5FPX-20 MUR-5FPX-30	MUR-5FPX-3-R MUR-5FPX-6-R MUR-5FPX-12-R MUR-5FPX-20-R MUR-5FPX-30-R	MUR-5MPX-3 MUR-5MPX-6 MUR-5MPX-12 MUR-5MPX-20 MUR-5MPX-30	MUR-5MPX-3-R MUR-5MPX-6-R MUR-5MPX-12-R MUR-5MPX-20-R MUR-5MPX-30-R
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6FPX-3 MUR-6FPX-6 MUR-6FPX-12 MUR-6FPX-20 MUR-6FPX-30	MUR-6FPX-3-R MUR-6FPX-6-R MUR-6FPX-12-R MUR-6FPX-20-R MUR-6FPX-30-R	MUR-6MPX-3 MUR-6MPX-6 MUR-6MPX-12 MUR-6MPX-20 MUR-6MPX-30	MUR-3MPX-3-R MUR-3MPX-6-R MUR-3MPX-12-R MUR-3MPX-20-R MUR-3MPX-30-R

For Stainless Steel or Nylon coupling nut on straight cordsets, add a "-SS" suffi x for Stainless or "-N" for Nylon (e.g. MUR-3FPX-6 becomes MUR-3FPX-6-SS). Please consult the factory for stainless steel or nylon right angle cordsets.

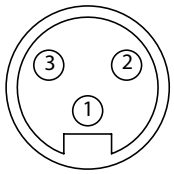
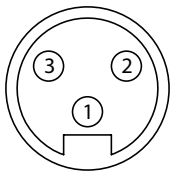
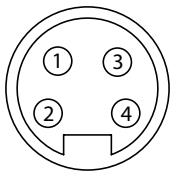
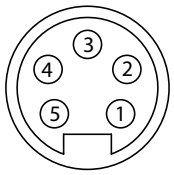
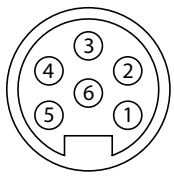
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 300V, 105ºC, Non-Wicking, Non-Hygroscopic, AWM Style 2661 or SJTOOW
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized
Canada:	C-UL Recognized



| MUR Series Size I Cordsets

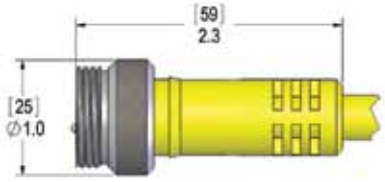
European Color Code | PVC Cable | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs
					Straight	Right Angle	Straight
	**3**	1-Black 2-Brown 3-Blue	18 300V 8A	1 M 2 M 4 M 6 M 10 M	MURC-3FPX-1M MURC-3FPX-2M MURC-3FPX-4M MURC-3FPX-6M MURC-3FPX-10M	MURC-3FPX-1M-R MURC-3FPX-2M-R MURC-3FPX-4M-R MURC-3FPX-6M-R MURC-3FPX-10M-R	MURC-3MPX-1M MURC-3MPX-2M MURC-3MPX-4M MURC-3MPX-6M MURC-3MPX-10M
	**3**	1-Green/Yellow 2-Brown 3-Blue	18 300V 10A	1 M 2 M 4 M 6 M 10 M	MURE-3FPX-1M MURE-3FPX-2M MURE-3FPX-4M MURE-3FPX-6M MURE-3FPX-10M	MURE-3FPX-1M-R MURE-3FPX-2M-R MURE-3FPX-4M-R MURE-3FPX-6M-R MURE-3FPX-10M-R	MURE-3MPX-1M MURE-3MPX-2M MURE-3MPX-4M MURE-3MPX-6M MURE-3MPX-10M
	**4**	1-Brown 2-White 3-Blue 4-Black	18 300V 5.5A	1 M 2 M 4 M 6 M 10 M	MURC-4FPX-1M MURC-4FPX-2M MURC-4FPX-4M MURC-4FPX-6M MURC-4FPX-10M	MURC-4FPX-1M-R MURC-4FPX-2M-R MURC-4FPX-4M-R MURC-4FPX-6M-R MURC-4FPX-10M-R	MURC-4MPX-1M MURC-4MPX-2M MURC-4MPX-4M MURC-4MPX-6M MURC-4MPX-10M
	**5**	1-Black 2-Blue 3-Green/Yellow 4-Brown 5-White	18 300V 5.5A	1 M 2 M 4 M 6 M 10 M	MURE-5FPX-1M MURE-5FPX-2M MURE-5FPX-4M MURE-5FPX-6M MURE-5FPX-10M	MURE-5FPX-1M-R MURE-5FPX-2M-R MURE-5FPX-4M-R MURE-5FPX-6M-R MURE-5FPX-10M-R	MURE-5MPX-1M MURE-5MPX-2M MURE-5MPX-4M MURE-5MPX-6M MURE-5MPX-10M
	**6**	1-Green 2-White 3-Blue 4-Gray 5-Yellow 6-Brown	18 300V 5.5A	1 M 2 M 4 M 6 M 10 M	MURE-6FPX-1M MURE-6FPX-2M MURE-6FPX-4M MURE-6FPX-6M MURE-6FPX-10M	MURE-6FPX-1M-R MURE-6FPX-2M-R MURE-6FPX-4M-R MURE-6FPX-6M-R MURE-6FPX-10M-R	MURE-6MPX-1M MURE-6MPX-2M MURE-6MPX-4M MURE-6MPX-6M MURE-6MPX-10M

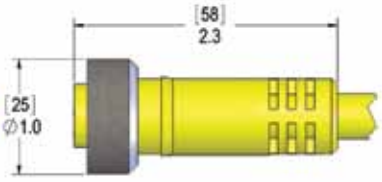
For Stainless Steel or Nylon coupling nut on straight female cordsets, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MURE-3FPX-2M becomes MURE-3FPX-2M-SS). Please consult the factory for stainless steel or nylon right angle cordsets. Nylon is not available for male plugs. Please consult the factory for right angle male plugs.

Specifications:

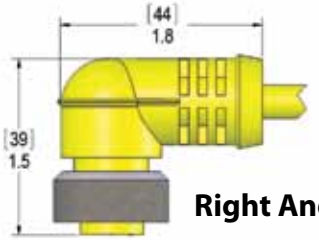
Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 300V, 105ºC, Non-Wicking, Non-Hygroscopic, AWM Style 2661 or SJTOOW
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



Straight Male Plug



Straight Female Plug

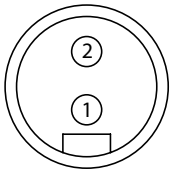
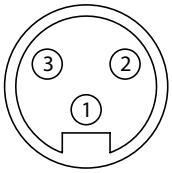
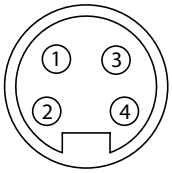
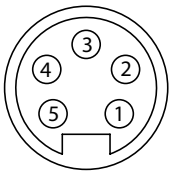
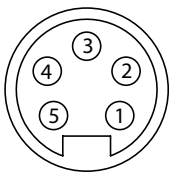
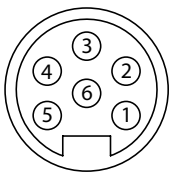




Right Angle Female Plug

MUR Series Size I Cordsets

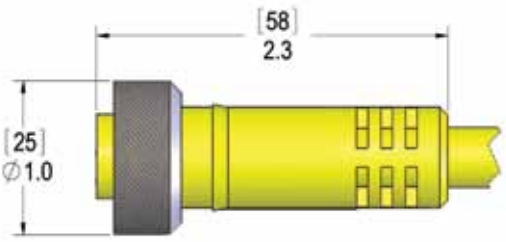
North American Color Code | PVC Cable | 16 AWG 600V Straight Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs	Male Plugs
					Straight	Straight
	**2**	1-Black 2-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-2FP-3 MUR-2FP-6 MUR-2FP-12 MUR-2FP-20 MUR-2FP-30	MUR-2MP-3 MUR-2MP-6 MUR-2MP-12 MUR-2MP-20 MUR-2MP-30
	**3**	1-Green/Yellow 2-Black 3-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-3FP-3 * MUR-3FP-6 * MUR-3FP-12 * MUR-3FP-20 MUR-3FP-30	MUR-3MP-3 MUR-3MP-6 MUR-3MP-12 MUR-3MP-20 MUR-3MP-30
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	16 600V 10A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-4FP-3 MUR-4FP-6 MUR-4FP-12 MUR-4FP-20 MUR-4FP-30	MUR-4MP-3 MUR-4MP-6 MUR-4MP-12 MUR-4MP-20 MUR-4MP-30
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-5FP-3 * MUR-5FP-6 * MUR-5FP-12 * MUR-5FP-20 MUR-5FP-30	MUR-5MP-3 MUR-5MP-6 MUR-5MP-12 MUR-5MP-20 MUR-5MP-30
	**5**	1-Black 2-Blue 3-Orange 4-Brown 5-White	16 600V 8A	6 FT 12 FT 20 FT	MUR-60-2423-1 ** MUR-60-2423-2 ** MUR-60-2423-3 **	
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6FP-3 MUR-6FP-6 MUR-6FP-12 MUR-6FP-20 MUR-6FP-30	MUR-6MP-3 MUR-6MP-6 MUR-6MP-12 MUR-6MP-20 MUR-6MP-30

For Stainless Steel or Nylon coupling nut, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MUR-3FP-6 becomes MUR-3FP-6-SS). *Black cable is available for these cordsets. **Common Color Code for Allen-Bradley®*** Photo-Electric Devices. *** Registered Trademark of Allen-Bradley Company, LLC

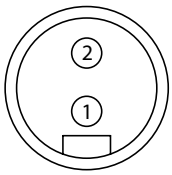
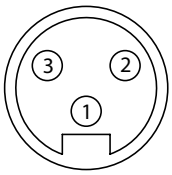
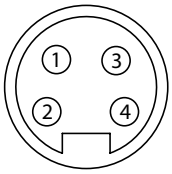
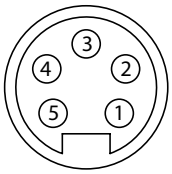
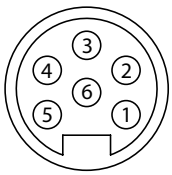
Specifications:

Please see page 5.



| MUR Series Size I Cordsets

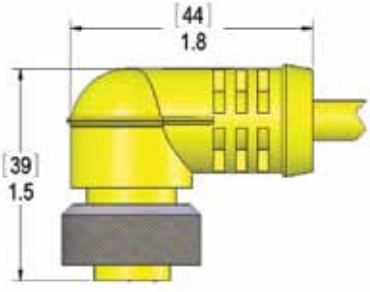
North American Color Code | PVC Cable | 16 AWG 600V Right Angle Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs	Male Plugs
					Right Angle	Right Angle
	**2**	1-Black 2-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-2FP-3-R MUR-2FP-6-R MUR-2FP-12-R MUR-2FP-20-R MUR-2FP-30-R	MUR-2MP-3-R MUR-2MP-6-R MUR-2MP-12-R MUR-2MP-20-R MUR-2MP-30-R
	**3**	1-Green/Yellow 2-Black 3-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-3FP-3-R MUR-3FP-6-R MUR-3FP-12-R MUR-3FP-20-R MUR-3FP-30-R	MUR-3MP-3-R MUR-3MP-6-R MUR-3MP-12-R MUR-3MP-20-R MUR-3MP-30-R
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	16 600V 10A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-4FP-3-R MUR-4FP-6-R MUR-4FP-12-R MUR-4FP-20-R MUR-4FP-30-R	MUR-4MP-3-R MUR-4MP-6-R MUR-4MP-12-R MUR-4MP-20-R MUR-4MP-30-R
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-5FP-3-R MUR-5FP-6-R MUR-5FP-12-R MUR-5FP-20-R MUR-5FP-30-R	MUR-5MP-3-R MUR-5MP-6-R MUR-5MP-12-R MUR-5MP-20-R MUR-5MP-30-R
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6FP-3-R MUR-6FP-6-R MUR-6FP-12-R MUR-6FP-20-R MUR-6FP-30-R	MUR-6MP-3-R MUR-6MP-6-R MUR-6MP-12-R MUR-6MP-20-R MUR-6MP-30-R

Please consult factory for Stainless Steel or Nylon coupling nuts. Black cable is available for some cables. Please consult the factory for part number and availability. Minimums may apply.

Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 600V, 105ºC, Non-Wicking,Non-Hygroscopic, UL Style STOW
Conductors:	16 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



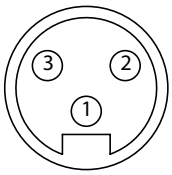
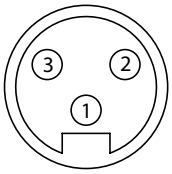
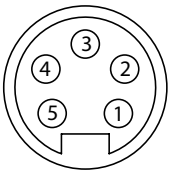
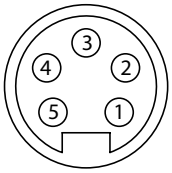


Right Angle Female Plug

MUR Series Size I Cordsets

North American Automotive Color Code PER ANSI B93.55M-1981

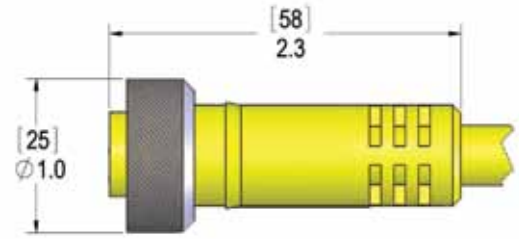
PVC Cable | 16 AWG 600V Plugs | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs
					Straight	Right Angle	Straight
	3	1-Green/Yellow 2-Red w/ Black 3-Red w/ White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-3FP-3A MUR-3FP-6A MUR-3FP-12A MUR-3FP-20A MUR-3FP-30A	MUR-3FP-3A-R MUR-3FP-6A-R MUR-3FP-12A-R MUR-3FP-20A-R MUR-3FP-30A-R	MUR-3MP-3A MUR-3MP-6A MUR-3MP-12A MUR-3MP-20A MUR-3MP-30A
	3	1-Green/Yellow 2-Red w/ Black 3-Red w/ White	18 300V 10A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-3FPX-3A MUR-3FPX-6A MUR-3FPX-12A MUR-3FPX-20A MUR-3FPX-30A	MUR-3FPX-3A-R MUR-3FPX-6A-R MUR-3FPX-12A-R MUR-3FPX-20A-R MUR-3FPX-30A-R	MUR-3MPX-3A MUR-3MPX-6A MUR-3MPX-12A MUR-3MPX-20A MUR-3MPX-30A
	5	1-Red w/ White 2-Red 3-Green/Yellow 4-Red w/ Yellow 5-Red w/ Black	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-5FP-3A MUR-5FP-6A MUR-5FP-12A MUR-5FP-20A MUR-5FP-30A	MUR-5FP-3A-R MUR-5FP-6A-R MUR-5FP-12A-R MUR-5FP-20A-R MUR-5FP-30A-R	MUR-5MP-3A MUR-5MP-6A MUR-5MP-12A MUR-5MP-20A MUR-5MP-30A
	5	1-Red w/ White 2-Red 3-Green/Yellow 4-Red w/ Yellow 5-Red w/ Black	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-5FPX-3A MUR-5FPX-6A MUR-5FPX-12A MUR-5FPX-20A MUR-5FPX-30A	MUR-5FPX-3A-R MUR-5FPX-6A-R MUR-5FPX-12A-R MUR-5FPX-20A-R MUR-5FPX-30A-R	MUR-5MPX-3A MUR-5MPX-6A MUR-5MPX-12A MUR-5MPX-20A MUR-5MPX-30A

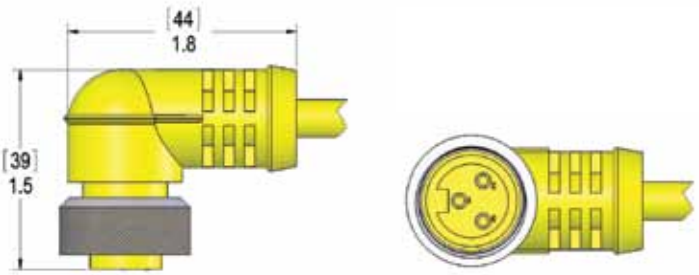
For Stainless Steel or Nylon coupling nut on straight cordsets, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MUR-3FP-6A becomes MUR-3FP-6A-SS). Please consult the factory for right angle male connections.

Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	16 AWG STOW, Rated at 600V, 105ºC 18 AWG AWM 2661 Rated at 300V, 105ºC Non-Wicking, Non-Hygroscopic
Conductors:	16 AWG Bare Copper, PVC Insulated 18 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



Straight Plug

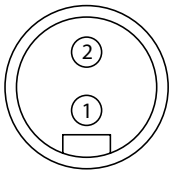
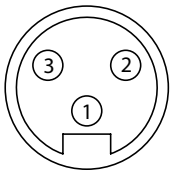
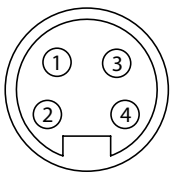
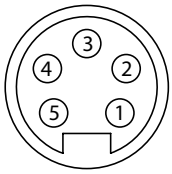
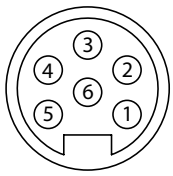


Right Angle Female Plug

| MUR Series Size I Cordsets

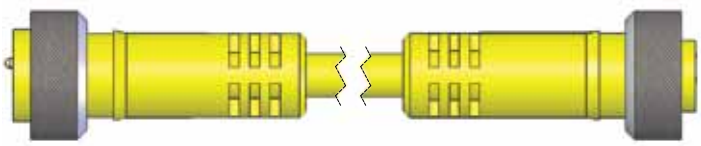
Male-Female Extension Cables | PVC Cable | 16 AWG 600V Plugs | 18 AWG 300V Plugs

Adapter couplings that allow user to mate a male plug to a female plug are necessary for most of the MUR Series Connectors. This is due to the use of female coupling nuts on both the male and female plugs. When mating to a receptacle, the adapter is not necessary. See accessory items (page 14).

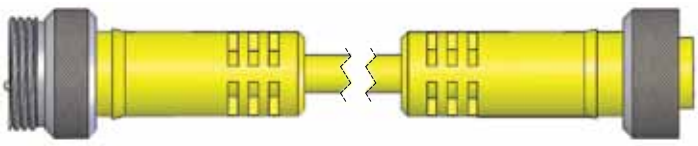
Face View of Male	# of Poles	Length	Male - Female Extension Cables 16 AWG	Male - Female Extension Cables 18 AWG	Length	Male - Female Extension Cables 18 AWG
	**2**	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-2MFP-3 MUR-2MFP-6 MUR-2MFP-12 MUR-2MFP-20 MUR-2MFP-30	MUR-2MFPX-3 MUR-2MFPX-6 MUR-2MFPX-12 MUR-2MFPX-20 MUR-2MFPX-30	1 M 2 M 4 M 6 M 10 M	MURE-2MFPX-1M MURE-2MFPX-2M MURE-2MFPX-4M MURE-2MFPX-6M MURE-2MFPX-10M
	**3**	3 FT 6 FT 12 FT 20 FT 30 FT 50 FT	MUR-3MFP-3 MUR-3MFP-6 MUR-3MFP-12 MUR-3MFP-20 MUR-3MFP-30 MUR-3MFP-50	MUR-3MFPX-3 MUR-3MFPX-6 MUR-3MFPX-12 MUR-3MFPX-20 MUR-3MFPX-30 MUR-3MFPX-50	1 M 2 M 4 M 6 M 10 M	MURE-3MFPX-1M MURE-3MFPX-2M MURE-3MFPX-4M MURE-3MFPX-6M MURE-3MFPX-10M
	**4**	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-4MFP-3 MUR-4MFP-6 MUR-4MFP-12 MUR-4MFP-20 MUR-4MFP-30	MUR-4MFPX-3 MUR-4MFPX-6 MUR-4MFPX-12 MUR-4MFPX-20 MUR-4MFPX-30	1 M 2 M 4 M 6 M 10 M	MURC-4MFPX-1M* MURC-4MFPX-2M* MURC-4MFPX-4M* MURC-4MFPX-6M* MURC-4MFPX-10M*
	**5**	3 FT 6 FT 12 FT 20 FT 30 FT 50 FT	MUR-5MFP-3 MUR-5MFP-6 MUR-5MFP-12 MUR-5MFP-20 MUR-5MFP-30 MUR-5MFP-50	MUR-5MFPX-3 MUR-5MFPX-6 MUR-5MFPX-12 MUR-5MFPX-20 MUR-5MFPX-30 MUR-5MFPX-50	1 M 2 M 4 M 6 M 10 M	MURE-5MFPX-1M MURE-5MFPX-2M MURE-5MFPX-4M MURE-5MFPX-6M MURE-5MFPX-10M
	**6**	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6MFP-3 MUR-6MFP-6 MUR-6MFP-12 MUR-6MFP-20 MUR-6MFP-30	MUR-6MFPX-3 MUR-6MFPX-6 MUR-6MFPX-12 MUR-6MFPX-20 MUR-6MFPX-30	1 M 2 M 4 M 6 M 10 M	MURE-6MFPX-1M MURE-6MFPX-2M MURE-6MFPX-4M MURE-6MFPX-6M MURE-6MFPX-10M

Please consult the factory for polyurethane (PUR) extension cables, right angle versions, and stainless steel or nylon couplings.

*For the MURC face view see page 3



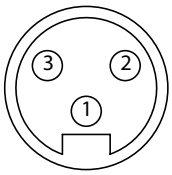
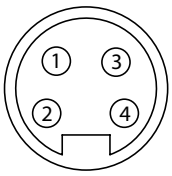
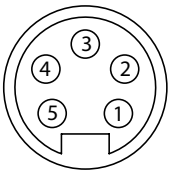
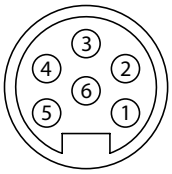
Male - Female Extension Cable



Male (Male Threads) to Female (Female Threads)

MUR Series Size I Cordsets

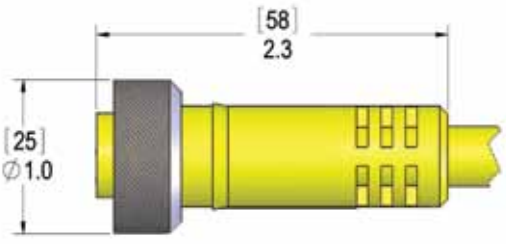
PUR Jacket | 16 AWG 600V Plugs | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs
					Straight	Right Angle	Straight
	**3**	1-Green/Yellow 2-Black 3-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-3FP-3 MURP-3FP-6 MURP-3FP-12 MURP-3FP-20 MURP-3FP-30	MURP-3FP-3-R MURP-3FP-6-R MURP-3FP-12-R MURP-3FP-20-R MURP-3FP-30-R	MURP-3MP-3 MURP-3MP-6 MURP-3MP-12 MURP-3MP-20 MURP-3MP-30
	**4**	1-Brown 2-White 3-Blue 4-Black	18 300V 5.5A	1 M 2 M 4 M 6 M 10 M	MURCP-4FPX-1M MURCP-4FPX-2M MURCP-4FPX-4M MURCP-4FPX-6M MURCP-4FPX-10M	MURCP-4FPX-1M-R MURCP-4FPX-2M-R MURCP-4FPX-4M-R MURCP-4FPX-6M-R MURCP-4FPX-10M-R	Consult Factory
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-5FP-3 MURP-5FP-6 MURP-5FP-12 MURP-5FP-20 MURP-5FP-30	MURP-5FP-3-R MURP-5FP-6-R MURP-5FP-12-R MURP-5FP-20-R MURP-5FP-30-R	MURP-5MP-3 MURP-5MP-6 MURP-5MP-12 MURP-5MP-20 MURP-5MP-30
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-6FPX-3 MURP-6FPX-6 MURP-6FPX-12 MURP-6FPX-20 MURP-6FPX-30	MURP-6FPX-3-R MURP-6FPX-6-R MURP-6FPX-12-R MURP-6FPX-20-R MURP-6FPX-30-R	MURP-6MPX-3 MURP-6MPX-6 MURP-6MPX-12 MURP-6MPX-20 MURP-6MPX-30

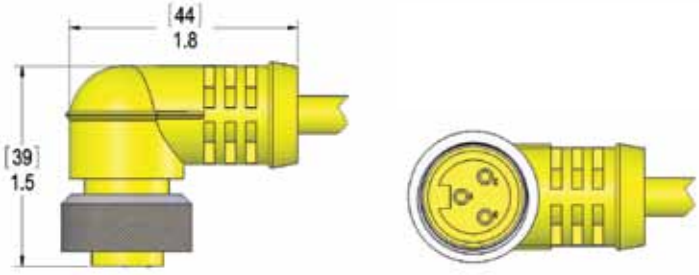
For Stainless Steel or Nylon coupling nut, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MURP-3FP-6 becomes MURP-3FP-6-SS) on straight cordsets. Please consult the factory for stainless steel or nylon right angle cordsets.

Specifications:

Body:	Oil Resistant Yellow Polyurethane (PUR)
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil resistant Yellow Polyurethane Jacket 16 AWG: Rated at 600V, 80ºC 18 AWG: Rated at 300V, 80ºC, Non-Wicking, Non-Hygroscopic, UL Style 20233
Conductors:	16 AWG Bare Copper, PVC Insulated 18 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to + 80ºC (-40ºF to +176ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



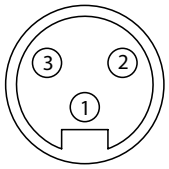
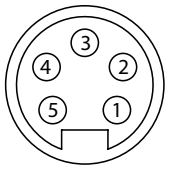
Straight Plug



Right Angle Female Plug

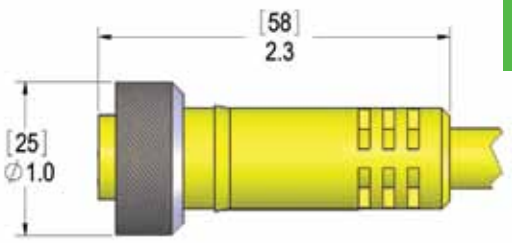
| MUR Series Size I Cordsets

North American Color Code | TPE Jacket | 16 AWG 600V

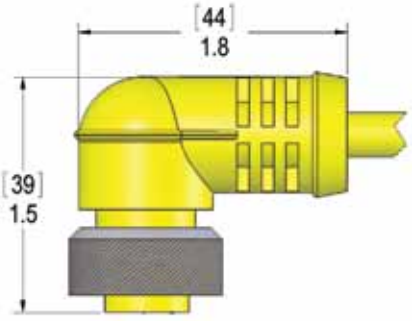
Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs	Male - Female Extension Cables
					Straight	Right Angle	Straight	
	**3**	1-Green/Yellow 2-Black 3-White	16 600V 13A	3 FT 6 FT 12 FT 20 FT 30 FT	MURW-3FP-3 MURW-3FP-6 MURW-3FP-12 MURW-3FP-20 MURW-3FP-30	MURW-3FP-3-R MURW-3FP-6-R MURW-3FP-12-R MURW-3FP-20-R MURW-3FP-30-R	MURW-3MP-3 MURW-3MP-6 MURW-3MP-12 MURW-3MP-20 MURW-3MP-30	MURW-3MFP-3 MURW-3MFP-6 MURW-3MFP-12 MURW-3MFP-20 MURW-3MFP-30
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	16 600V 8A	3 FT 6 FT 12 FT 20 FT 30 FT	MURW-5FP-3 MURW-5FP-6 MURW-5FP-12 MURW-5FP-20 MURW-5FP-30	MURW-5FP-3-R MURW-5FP-6-R MURW-5FP-12-R MURW-5FP-20-R MURW-5FP-30-R	MURW-5MP-3 MURW-5MP-6 MURW-5MP-12 MURW-5MP-20 MURW-5MP-30	MURW-5MFP-3 MURW-5MFP-6 MURW-5MFP-12 MURW-5MFP-20 MURW-5MFP-30

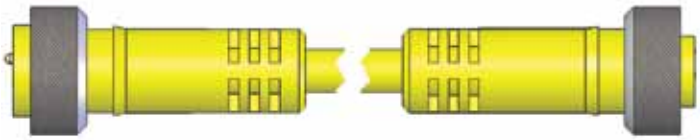
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Weld Slag Resistant Yellow TPE Jacket, 16 AWG Rated at 600V, 80ºC Non-Wicking, Non-Hygroscopic, SEOOW Style
Temperature:	-40ºC to +80ºC (-40ºF to +176ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-ULRecognized



Straight Plug





Male - Female Extension Cable

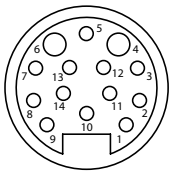


Right Angle Female Plug

MUR Series Size I Cordsets

North American Color Code | PUR Jacket | 18, 22 AWG 300V Plugs

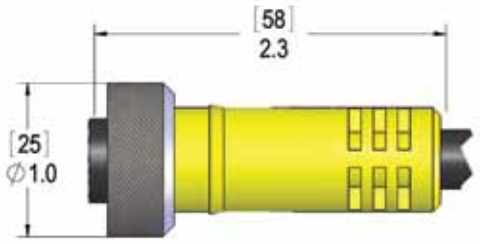
Male-Female Extension Cables

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs	Male Plugs	Male - Female Extension Cables
	**14**	1-Gray w/Pink 2-White w/ Green 3-White w/ Yellow 4-Brown* 5-Brown w/ Yellow 6-Blue* 7-Yellow 8-Green 9-Pink 10-White 11-Red w/ Blue 12-Brown w/ Green 13-Gray 14-Red	18/2 300V 8A ----- 22/12 300V 2A	2 M 5 M 10 M	MURP-14FP-2M MURP-14FP-5M MURP-14FP-10M	MURP-14MP-2M MURP-14MP-5M MURP-14MP-10M	MURP-14MFP-2M MURP-14MFP-5M MURP-14MFP-10M

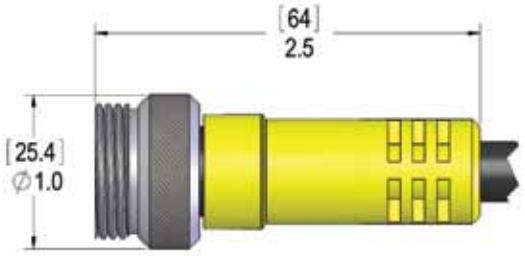
*Note: Pins 4 and 6 have 18 AWG wires.

Specifications:

Body:	Oil Resistant Yellow Polyurethane (PUR)
Insert:	Polyamide
Seal:	NBR
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Black PUR Jacket, 18 & 22 AWG Rated at 300V, 80ºC Non-Wicking, Non-Hygroscopic, AWM Style 20233
Temperature:	-40ºC to +80ºC (-40ºF to +176ºF)
Protection:	IP 67

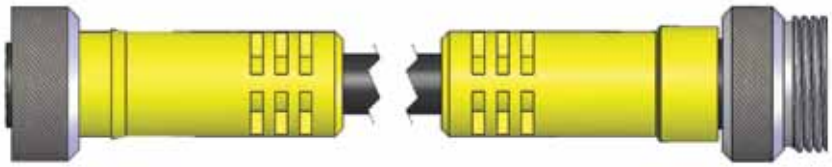


Straight Female Plug



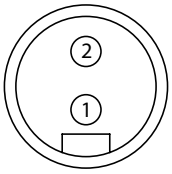
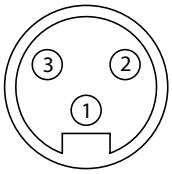
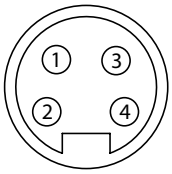
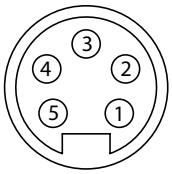
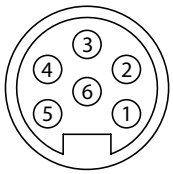
Straight Male Plug

Extension Cable



MUR Series Size I Cordsets

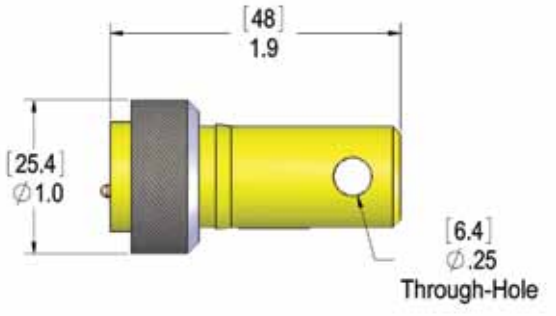
Dummy Plugs | Jumpered Pins

Face View of Male	# of Poles	Jumpers	Female Plugs	Male Plugs
	**2**	1 to 2	MUR-2FP-DP1	MUR-2MP-DP1
	**3**	2 to 3	MUR-3FP-DP1	MUR-3MP-DP1
	**4**	1 to 2 3 to 4	MUR-4FP-DP1	MUR-4MP-DP1
	**5**	2 to 4	MUR-5FP-DP1	MUR-5MP-DP1
	**6**	1 to 2 4 to 5	MUR-6FP-DP1	MUR-6MP-DP1

For Stainless Steel or Nylon locking ring, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MUR-3FP-DP1 becomes MUR-3FP-DP1-SS). Alternate wiring is available, please consult the factory.

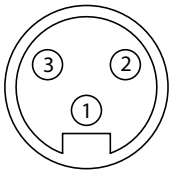
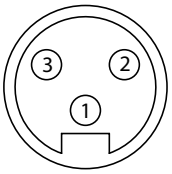
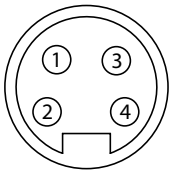
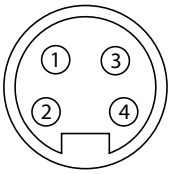
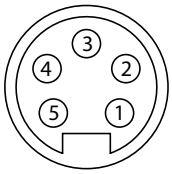
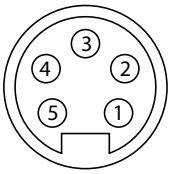
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling	Nut: Clear Anodized Aluminum
Jumpers:	18 AWG
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67



MUR Series Size I "T" Connector

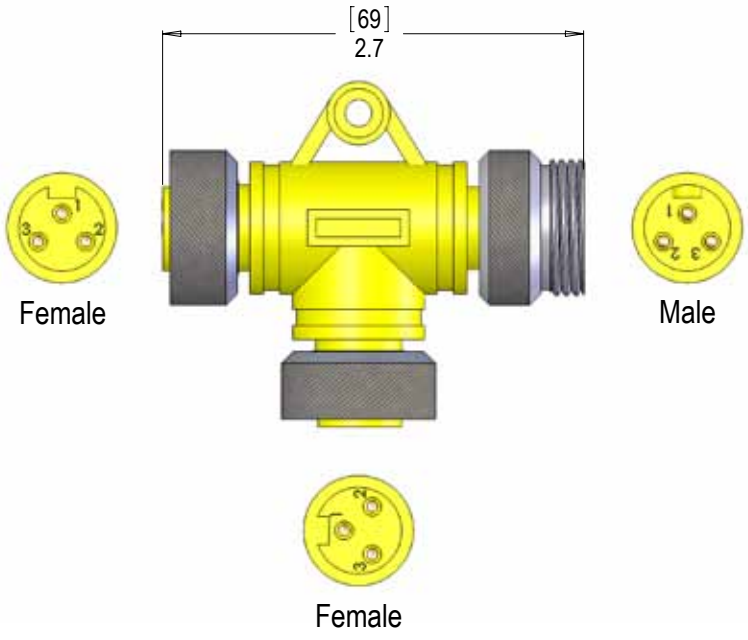
Male to Two Female "T"

Face View of Male	# of Poles	Rating	Part Number	Wiring	Face View of Male
	**3**	300V 8A	MUR-3MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3	
	**4**	300V 8A	MUR-4MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4	
	**5**	300V 8A	MUR-5MFF-T	1 to 1 to 1 2 to 2 to 2 3 to 3 to 3 4 to 4 to 4 5 to 5 to 5	

Stainless Steel Couplings are available; please consult the factory for part number and availability.

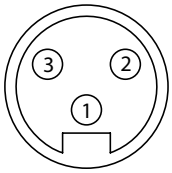
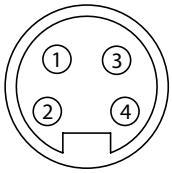
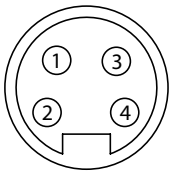
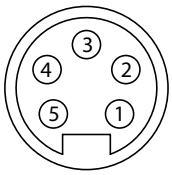
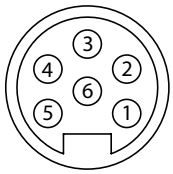
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



MUR Series Size I Field Wireable Plugs

16-22 AWG 600V

Face View of Male	# of Poles	Wire AWG Rating	Cable O.D. Range	Female Straight (Female Threads)	Male Straight (Female Threads)	Male Straight (Female Threads)
	**3**	14-22 600V MAX 18A MAX	5-13 mm 8-17 mm	MUR-3FP-FW MUR-3FP-FWX	MUR-3MP-FW MUR-3MP-FWX	MUR-3MPM-FW MUR-3MPM-FWX
	**4**	14-22 600V MAX 15A MAX	5-13 mm 8-17 mm	MUR-4FP-FW MUR-4FP-FWX	MUR-4MP-FW MUR-4MP-FWX	MUR-4MPM-FW MUR-4MPM-FWX
	**4**	14-22 600V MAX 15A MAX	5-13 mm 8-17 mm	MURC-4FP-FW MURC-4FP-FWX		MURC-4MP-FW MURC-4MP-FWX
	**5**	14-22 600V MAX 12A MAX	5-13 mm 8-17 mm	MUR-5FP-FW MUR-5FP-FWX	MUR-5MP-FW MUR-5MP-FWX	MUR-5MPM-FW MUR-5MPM-FWX
	**6**	14-22 600V MAX 8A MAX	5-13 mm 8-17 mm	MUR-6FP-FW MUR-6FP-FWX	MUR-6MP-FW MUR-6MP-FWX	MUR-6MPM-FW MUR-6MPM-FWX

Connection via screw terminal. Voltage and amperage ratings are cable dependent and are based on 600V 14 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.

Specifications:

Body:	Polyamide
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Coupling Nut:	Black Anodized Aluminum
Insert:	PVC
Temperature:	-40°C to +90°C (-40°F to +194°F)
Protection:	IP 67
Approvals:	US: UL Recognized; Canada: C-UL Recognized 6 Pole is UL-Pending



Male Straight
(Female Threads)



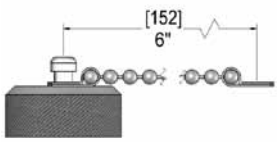
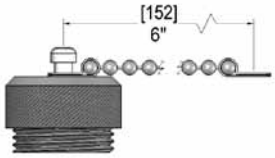
Female Straight
(Female Threads)



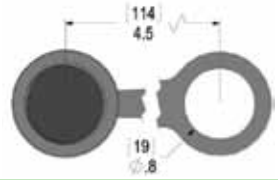
Male Straight
(Male Threads)

| MUR Series Size I Accessories

Caps | Adapter Coupling | Plugs

Closure Caps			
Part Number: MUR-CAP (For covering receptacles & plugs with male threads)		**Part Number: MUR-PLUG** (For covering receptacles & plugs with female threads)	

0.170" Diameter Mounting Hole for Securing Chain.
Materials: Clear Anodized Aluminum with Nickel Plated Brass Chain and Hardware.

Plastic Closure Cap			
Part Number: MUR-CAP-PASW (For covering receptacles & plugs with male threads)		**Side View** **Face View**	

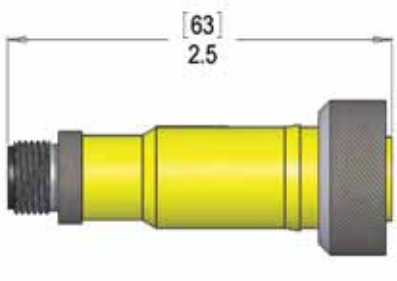
Tether mounts under receptacles with ½" NPT or M20 mounting threads and also serves as a gasket.
For male plugs with male threads, tether will attach to the plug.
Material: NBR

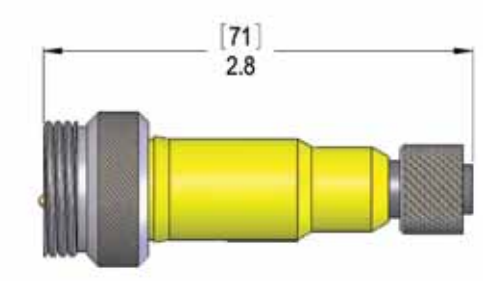
MUR Series I Adapter Coupling			
Part Number: MUR-XMP-AD (For connecting male & female plugs with female couplings)		**Material**	Clear Anodized Aluminum
Part Number: MUR-XMP-AD-SS (For connecting male & female plugs with female couplings)		**Material**	Stainless Steel
MUR Series I Plug			
Part Number: MUR-PLUG-N (For covering receptacles & plugs with female threads)		**Material**	Clear Anodized Aluminum

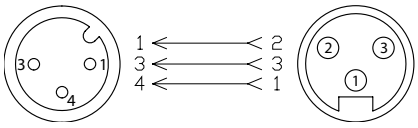
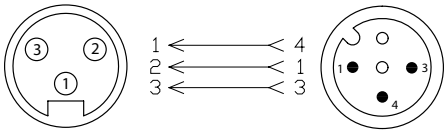
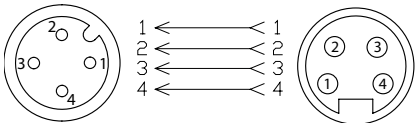
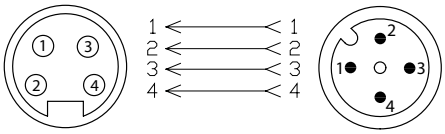
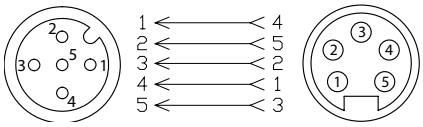
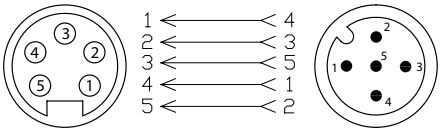
NBR Tether is available for the MUR-CAP and MUR-PLUG. Please consult the factory for part number and availability.

| MUR Series Size I Accessories

Accessories | MUR to M12 Adapter Plugs





M12 Male to MUR Female				MUR Male to M12 Female			
Face View of Male	Connection Diagram	Face View of Female	Part Number	Face View of Male	Connection Diagram	Face View of Female	Part Number
			M12MUR-3MFP-AD1				MURM12-3MFP-AD1
			M12MUR-4MFP-AD1				MURM12-4MFP-AD1
			M12MUR-5MFP-AD1				MURM12-5MFP-AD1

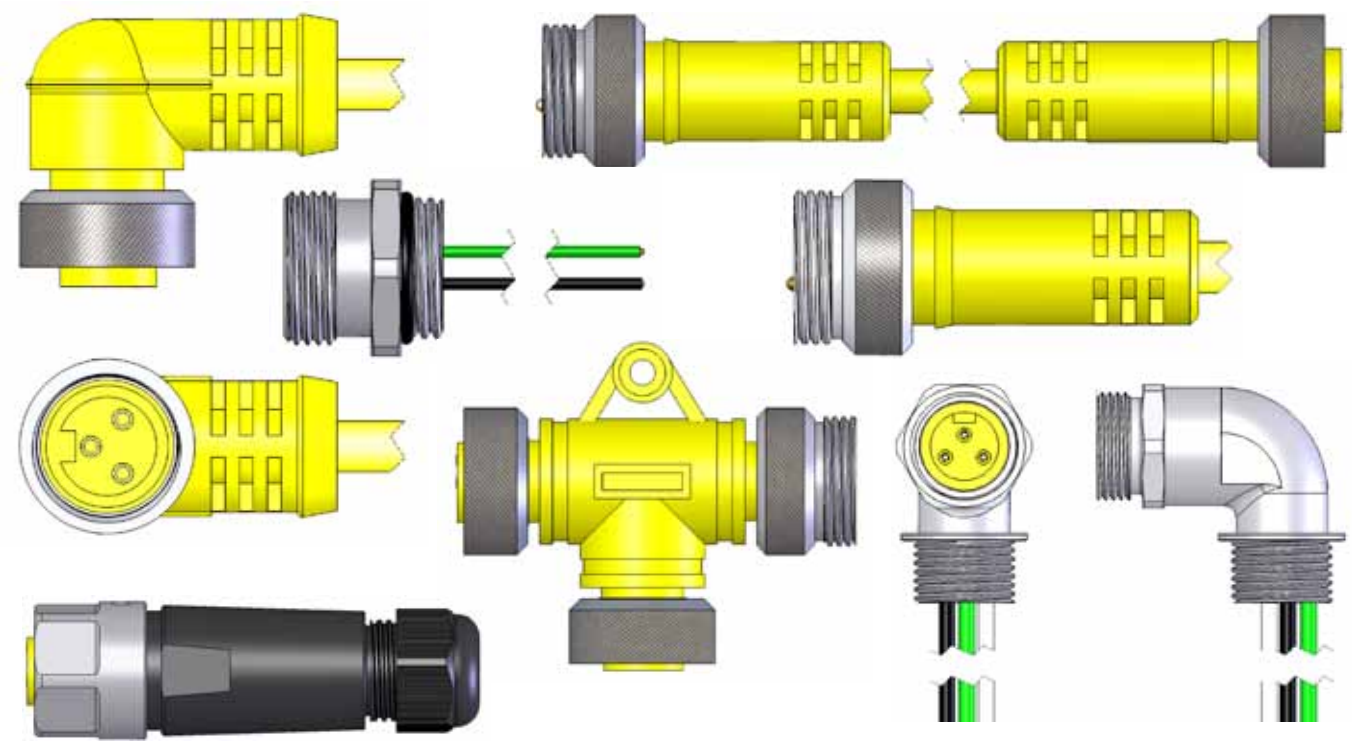
Specifi cations:

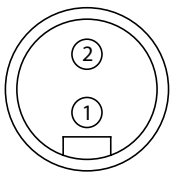
Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nuts:	M12: Nickel Plated Brass
	MUR: Clear Anodized Aluminum
Inserts:	M12: Polyamide
	MUR: Oil Resistant Yellow PVC
O-Ring:	BUNA-N
Ratings:	300V, 4A

NOTES:

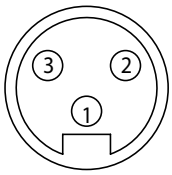
MUR Series Size I Receptacles

RECEPTACLES.....Pages 2-13
ACCESSORIES..... Pages 14

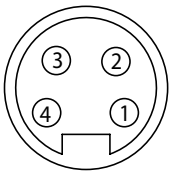




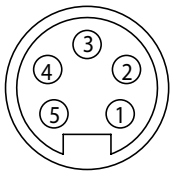
2 Pole



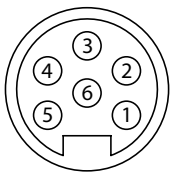
3 Pole



4 Pole



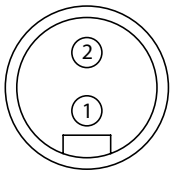
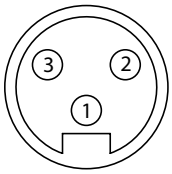
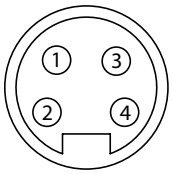
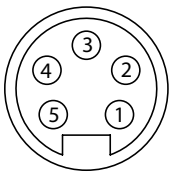
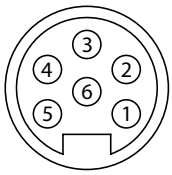
5 Pole



6 Pole

MUR Series Size I Receptacles

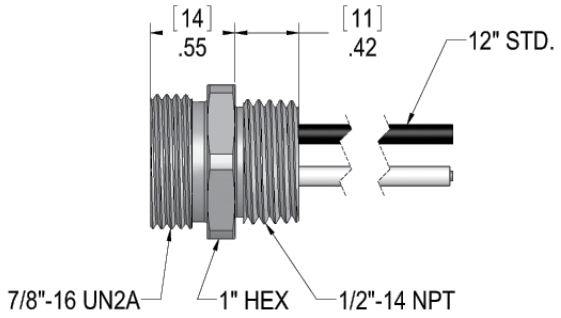
North American Color Code | 1/2"-14 NPT Threads | 16, 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	**2**	1-Black 2-White	600V 13A	16	MUR-2MR-1	MUR-2FR-1
			300V 10A	18	MUR-2MR-1-18	MUR-2FR-1-18
			300V 4A	22	MUR-2MR-.5-22	MUR-2FR-1-22
	**3**	1-Green/Yellow 2-Black 3-White	600V 13A	16	MUR-3MR-1	MUR-3FR-1
			300V 10A	18	MUR-3MR-1-18	MUR-3FR-1-18
			300V 4A	22	MUR-3MR-.5-22	MUR-3FR-1-22
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	600V 13A	16	MUR-4MR-1	MUR-4FR-1
			300V 10A	18	MUR-2MR-1	MUR-4FR-1-18
			300V 4A	22	MUR-4MR-.5-22	MUR-4FR-1-22
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	600V 13A	16	MUR-5MR-1	MUR-5FR-1
			300V 10A	18	MUR-5MR-1-18	MUR-5FR-1-18
			300V 4A	22	MUR-5MR-.5-22	MUR-5FR-1-22
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	600V 13A	16	MUR-6MR-1	MUR-6FR-1
			300V 10A	18	MUR-6MR-1-18	MUR-6FR-1-18
			300V 4A	22	MUR-6MR-.5-22	MUR-6FR-1-22

12" leads are standard (6" standard on male 22AWG). Longer lead lengths are available, please consult the factory for part numbers. For Stainless Steel or Nylon shell, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MUR-3MR-1 becomes MUR-3MR-1-SS). O-Ring and Lock Nut are included on lengths of 18 inches or longer.

Specifications:

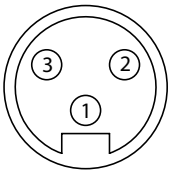
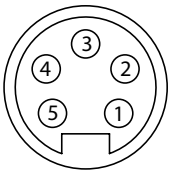
Shell:	Clear Anodized Aluminum
Insulator:	105°C, Oil Resistant Yellow PVC
Wire:	16 AWG: UL Style 1015, 600V
	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40°C to 105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized
	Canada: C-UL Recognized



| MUR Series Size I Receptacles

North American Automotive Color Code | ANSI B93.55M-1981

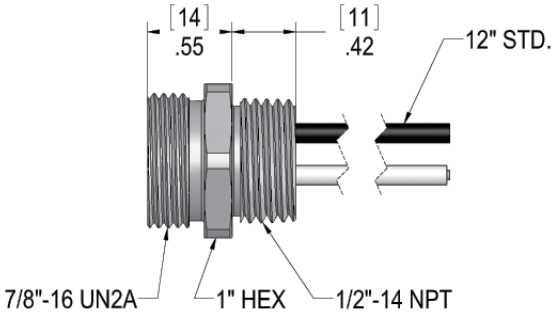
1/2"-14 NPT Threads | 16, 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	**3**	1-Green/Yellow 2-Red w/ Black 3-Red w/ White	600V 13A	16	MUR-3MR-1A	MUR-3FR-1A
			300V 10A	18	MUR-3MR-1A-18	MUR-3FR-1A-18
			300V 4A	22	MUR-3MR-.5A-22	MUR-3FR-1A-22
	**5**	1-Red w/ White 2-Red 3-Green/Yellow 4-Red w/ Yellow 5-Red w/ Black	600V 8A	16	MUR-5MR-1A	MUR-5FR-1A
			300V 5.5A	18	MUR-5MR-1A-18	MUR-5FR-1A-18
			300V 4A	22	MUR-5MR-.5A-22	MUR-5FR-1A-22

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. For Stainless Steel or Nylon shell, add a "-SS" suffix for Stainless or "-N" for Nylon (e.g. MUR-3MR-1 becomes MUR-3MR-1-SS). O-Ring and Lock Nut are included on lengths of 18 inches or longer.

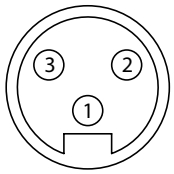
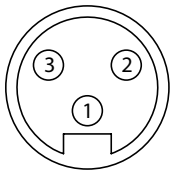
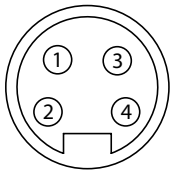
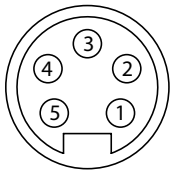
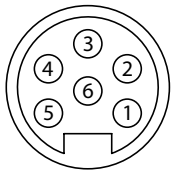
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105°C, Oil Resistant Yellow PVC
Wire:	16 AWG: UL Style 1015, 600V
	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40°C to 105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized
	Canada: C-UL Recognized



MUR Series Size I Receptacles

European Color Code | 1/2"-14 NPT Threads | 18, 22 AWG

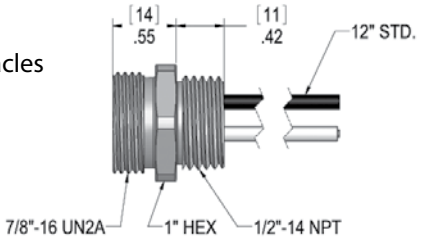
Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	3	1-Black 2-Brown 3-Blue	300V 8A	18	MURC-3MR-1-18	MURC-3FR-1-18
			300V 4A	22	MURC-3MR-.5-22	MURC-3FR-1-22
	3	1-Green/Yellow 2-Brown 3-Blue	300V 10A	18	MURE-3MR-1-18	MURE-3FR-1-18
			300V 4A	22	MURE-3MR-.5-22	MURE-3FR-1-22
	4	1-Brown 2-White 3-Blue 4-Black	300V 5.5A	18	MURC-4MR-1-18	MURC-4FR-1-18
			300V 4A	22	MURC-4MR-.5-22	MURC-4FR-1-22
	5	1-Black 2-Blue 3-Green/Yellow 4-Brown 5-White	300V 5.5A	18	MURE-5MR-1-18	MURE-5FR-1-18
			300V 4A	22	MURE-5MR-.5-22	MURE-5FR-1-22
	6	1-Green 2-White 3-Blue 4-Gray 5-Yellow 6-Brown	300V 5.5A	18	MURE-6MR-1-18	MURE-6FR-1-18
			300V 4A	22	MURE-6MR-.5-22	MURE-6FR-1-22

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. For Nylon male shell, add a "-N" suffix for Nylon (e.g. MURC-3MR-1-18 becomes MURC-3MR-1-18-N). Nylon shell is not available for female receptacles. For Stainless Steel male or female shell, add a "-SS" suffix. O-Ring and Lock Nut are included on lengths of 18 inches or longer.

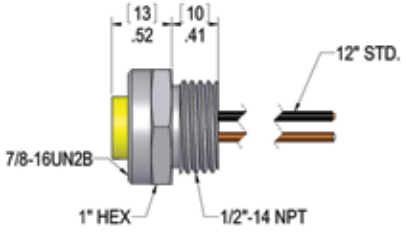
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105ºC, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-ULRecognized

Male Receptacles

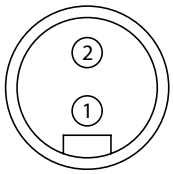
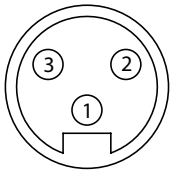
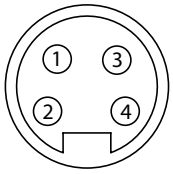
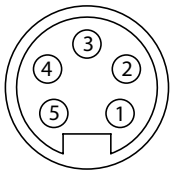
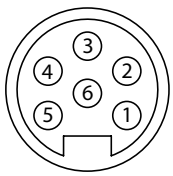


Female Recep



| MUR Series Size I Receptacles

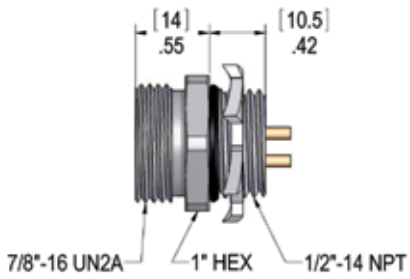
Solder Cup Receptacles | 1/2" - 14 NPT Threads

Face View of Male	# of Poles	Wire AWG Rating	Male Receptacles	Female Receptacles
	**2**	16 AWG MAX 600V 13A MAX	MUR-2MR-SC	MUR-2FR-SC
	**3**	16 AWG MAX 600V 13A MAX	MUR-3MR-SC	MUR-3FR-SC
	**4**	16 AWG MAX 600V 10A MAX	MUR-4MR-SC	MUR-4FR-SC
	**5**	16 AWG MAX 600V 8A MAX	MUR-5MR-SC	MUR-5FR-SC
	**6**	16 AWG MAX 600V 8A MAX	MUR-6MR-SC	MUR-6FR-SC

Voltage and amperage ratings are wire dependent and are based on 600V 16 AWG wire. Wires with lower voltage ratings and smaller conductors will lower these ratings. Stainless Steel or Nylon shells and Metric or PG threads are available, please consult the factory for part numbers.

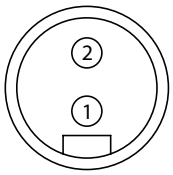
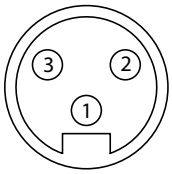
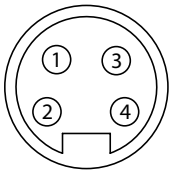
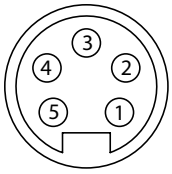
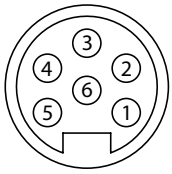
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105ºC, Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-A
Lock Nut:	Zinc Plated Steel
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP67



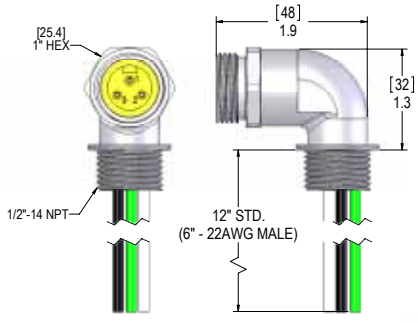
MUR Series Size I Receptacles: Right Angle

North American Color Code | 1/2"-14 NPT Threads | 14, 16, 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	**2**	1-Black 2-White	600V 13A	16	MUR-2MR-1-R	MUR-2FR-1-R
			300V 10A	18	MUR-2MR-1-18-R	MUR-2FR-1-18-R
			300V 4A	22	MUR-2MR-.5-22-R	MUR-2FR-1-22-R
	**3**	1-Green/Yellow 2-Black 3-White	600V 18A	14	MURH-3MR-1-R	MURH-3FR-1-R
			600V 13A	16	MUR-3MR-1-R	MUR-3FR-1-R
			300V 10A	18	MUR-3MR-1-18-R	MUR-3FR-1-18-R
			300V 4A	22	MUR-3MR-.5-22-R	MUR-3FR-1-22-R
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	600V 15A	14	MURH-4MR-1-R	MURH-4FR-1-R
			600V 10A	16	MUR-4MR-1-R	MUR-4FR-1-R
			300V 5.5A	18	MUR-4MR-1-18-R	MUR-4FR-1-18-R
			300V 4A	22	MUR-4MR-.5-22-R	MUR-4FR-1-22-R
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	600V 8A	16	MUR-5MR-1-R	MUR-5FR-1-R
			300V 5.5A	18	MUR-5MR-1-18-R	MUR-5FR-1-18-R
			300V 4A	22	MUR-5MR-.5-22-R	MUR-5FR-1-22-R
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	300V 8A	16	MUR-6MR-1-R	MUR-6FR-1-R
			300V 5.5A	18	MUR-6MR-1-18-R	MUR-6FR-1-18-R
			300V 4A	22	MUR-6MR-.5-22-R	MUR-6FR-1-22-R

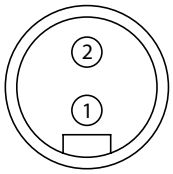
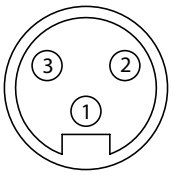
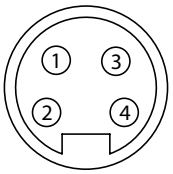
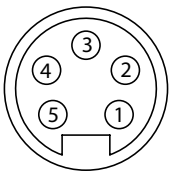
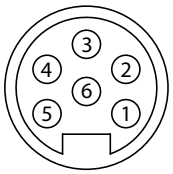
Specifications:

Shell: Hex:	Clear Anodized Aluminum, Elbow: Zinc Die Cast
Insulator:	105ºC, Oil Resistant Yellow PVC
Wire:	16 AWG: UL Style 1015, 600V 18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



| MUR Series Size I Receptacles

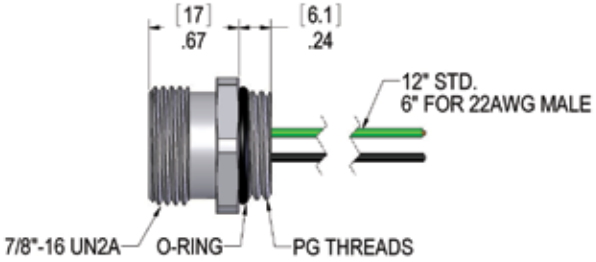
North American Color Code | European PG Threads | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Thread Style	Male Receptacles	Female Receptacles
	**2**	1-White 2-Black	300V 10A	18	PG 11 PG 13.5	MUR-2MR-1-18-PG11 MUR-2MR-1-18-PG13.5	MUR-2FR-1-18-PG11 MUR-2FR-1-18-PG13.5
			300V 4A	22	PG 11 PG 13.5	MUR-2MR-.5-22-PG11 MUR-2MR-.5-22-PG13.5	MUR-2FR-1-22-PG11 MUR-2FR-1-22-PG13.5
	**3**	1-Green/Yellow 2-Black 3-White	300V 10A	18	PG 11 PG 13.5	MUR-3MR-1-18-PG11 MUR-3MR-1-18-PG13.5	MUR-3FR-1-18-PG11 MUR-3FR-1-18-PG13.5
			300V 4A	22	PG 11 PG 13.5	MUR-3MR-.5-22-PG11 MUR-3MR-.5-22-PG13.5	MUR-3FR-1-22-PG11 MUR-3FR-1-22-PG13.5
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	300V 5.5A	18	PG 11 PG 13.5	MUR-4MR-1-18-PG11 MUR-4MR-1-18-PG13.5	MUR-4FR-1-18-PG11 MUR-4FR-1-18-PG13.5
			300V 4A	22	PG 11 PG 13.5	MUR-4MR-.5-22-PG11 MUR-4MR-.5-22-PG13.5	MUR-4FR-1-22-PG11 MUR-4FR-1-22-PG13.5
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	300V 5.5A	18	PG 11 PG 13.5	MUR-5MR-1-18-PG11 MUR-5MR-1-18-PG13.5	MUR-5FR-1-18-PG11 MUR-5FR-1-18-PG13.5
			300V 4A	22	PG 11 PG 13.5	MUR-5MR-.5-22-PG11 MUR-5MR-.5-22-PG13.5	MUR-5FR-1-22-PG11 MUR-5FR-1-22-PG13.5
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	300V 5.5A	18	PG 11 PG 13.5	MUR-6MR-1-18-PG11 MUR-6MR-1-18-PG13.5	MUR-6FR-1-18-PG11 MUR-6FR-1-18-PG13.5
			300V 4A	22	PG 11 PG 13.5	MUR-6MR-.5-22-PG11 MUR-6MR-.5-22-PG13.5	MUR-6FR-1-22-PG11 MUR-6FR-1-22-PG13.5

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Other color codes available, please consult the factory. Lock Nut is included on lengths of 18 inches or longer.

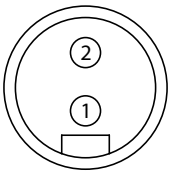
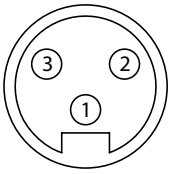
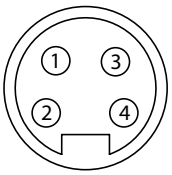
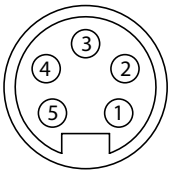
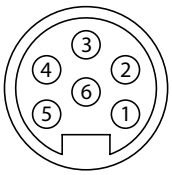
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105ºC, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-ULRecognized

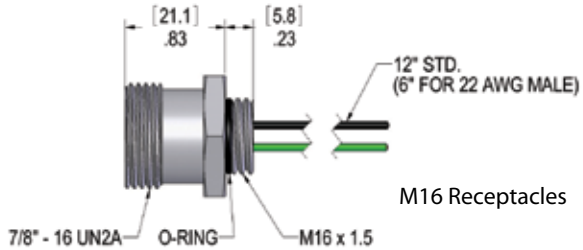


MUR Series Size I Receptacles

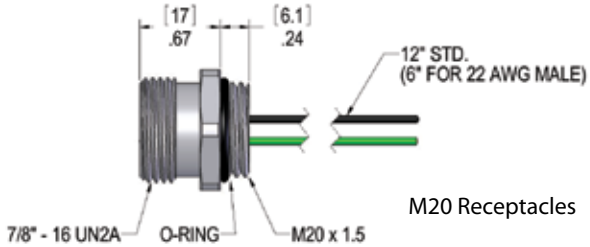
North American Color Code | Metric Threads | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Thread Style	Male Receptacles	Female Receptacles
	**2**	1-White 2-Black	300V 10A	18	M16 x 1.5 M20 x 1.5	MUR-2MR-1-18-M16 MUR-2MR-1-18-M20	MUR-2FR-1-18-M16 MUR-2FR-1-18-M20
			300V 4A	22	M16 x 1.5 M20 x 1.5	MUR-2MR-.5-22-M16 MUR-2MR-.5-22-M20	MUR-2FR-1-22-M16 MUR-2FR-1-22-M20
	**3**	1-Green/Yellow 2-Black 3-White	300V 10A	18	M16 x 1.5 M20 x 1.5	MUR-3MR-1-18-M16 MUR-3MR-1-18-M20	MUR-3FR-1-18-M16 MUR-3FR-1-18-M20
			300V 4A	22	M16 x 1.5 M20 x 1.5	MUR-3MR-.5-22-M16 MUR-3MR-.5-22-M20	MUR-3FR-1-22-M16 MUR-3FR-1-22-M20
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	300V 5.5A	18	M16 x 1.5 M20 x 1.5	MUR-4MR-1-18-M16 MUR-4MR-1-18-M20	MUR-4FR-1-18-M16 MUR-4FR-1-18-M20
			300V 4A	22	M16 x 1.5 M20 x 1.5	MUR-4MR-.5-22-M16 MUR-4MR-.5-22-M20	MUR-4FR-1-22-PG11 MUR-4FR-1-22-M20
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	300V 5.5A	18	M16 x 1.5 M20 x 1.5	MUR-5MR-1-18-M16 MUR-5MR-1-18-M20	MUR-5FR-1-18-PG11 MUR-5FR-1-18-M20
			300V 4A	22	M16 x 1.5 M20 x 1.5	MUR-5MR-.5-22-M16 MUR-5MR-.5-22-M20	MUR-5FR-1-22-PG11 MUR-5FR-1-22-M20
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	300V 5.5A	18	M16 x 1.5 M20 x 1.5	MUR-6MR-1-18-M16 MUR-6MR-1-18-M20	MUR-6FR-1-18-M16 MUR-6FR-1-18-M20
			300V 4A	22	M16 x 1.5 M20 x 1.5	MUR-6MR-.5-22-M16 MUR-6MR-.5-22-M20	MUR-6FR-1-22-M16 MUR-6FR-1-22-M20

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Black anodized version available for M20, Stainless Steel version available for M16. Other color codes available, please consult the factory. Lock Nut is included on lengths of 18 inches or longer.



M16 Receptacles



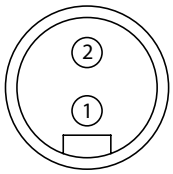
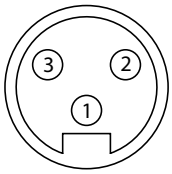
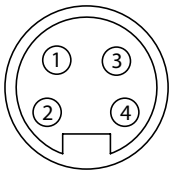
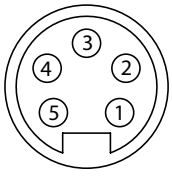
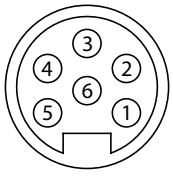
M20 Receptacles

Specifications:

Shell:	M16: Nickel Plated Brass M20: Clear Anodized Aluminum
Insulator:	105ºC, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized

| MUR Series Size I Receptacles

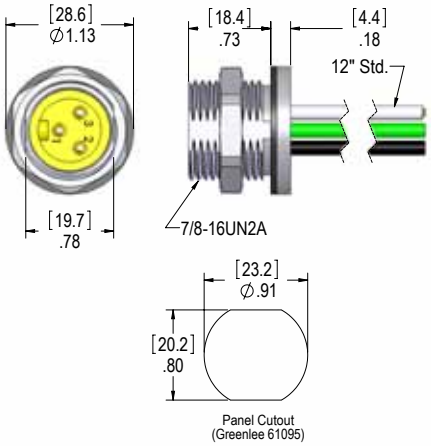
North American Color Code | Back Mount | 16, 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	**2**	1-Black 2-White	600V 13A	16	MUR-2MR-1-BM	MUR-2FR-1-BM
			300V 10A	18	MUR-2MR-1-18-BM	MUR-2FR-1-18-BM
			300V 4A	22	MUR-2MR-.5-22-BM	MUR-2FR-1-22-BM
	**3**	1-Green/Yellow 2-Black 3-White	600V 13A	16	MUR-3MR-1-BM	MUR-3FR-1-BM
			300V 10A	18	MUR-3MR-1-18-BM	MUR-3FR-1-18-BM
			300V 4A	22	MUR-3MR-.5-22-BM	MUR-3FR-1-22-BM
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	600V 10A	16	MUR-4MR-1-BM	MUR-4FR-1-BM
			300V 5.5A	18	MUR-2MR-1-BM	MUR-4FR-1-18-BM
			300V 4A	22	MUR-4MR-.5-22-BM	MUR-4FR-1-22-BM
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	600V 8A	16	MUR-5MR-1-BM	MUR-5FR-1-BM
			300V 5.5A	18	MUR-5MR-1-18-BM	MUR-5FR-1-18-BM
			300V 4A	22	MUR-5MR-.5-22-BM	MUR-5FR-1-22-BM
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	300V 8A	16	MUR-6MR-1-BM	MUR-6FR-1-BM
			300V 5.5A	18	MUR-6MR-1-18-BM	MUR-6FR-1-18-BM
			300V 4A	22	MUR-6MR-.5-22-BM	MUR-6FR-1-22-BM

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Gasket and Lock Nut are included on these receptacles.

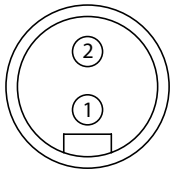
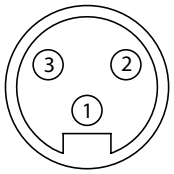
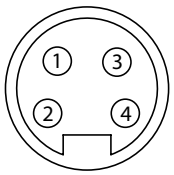
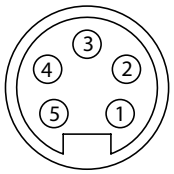
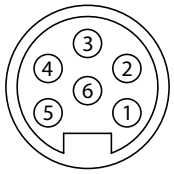
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105°C, Oil Resistant Yellow PVC
Wire:	16 AWG; UL Style 1015, 600 V 18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Jam Nut:	Clear Anodized Aluminum
Gasket:	NBR
Temperature:	-40°C to 105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



MUR Series Size I Receptacles

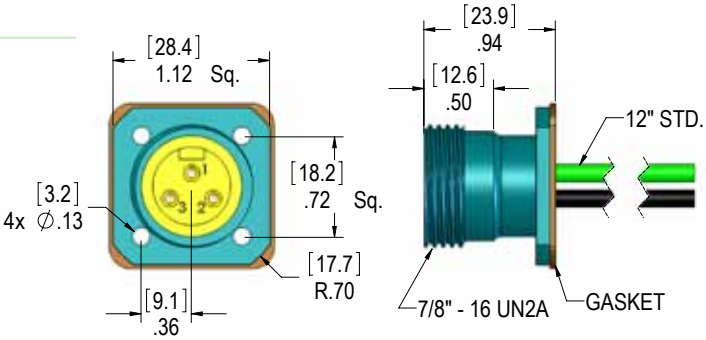
North American Color Code | Panel Mount | 16, 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	**2**	1-Black 2-White	600V 13A	16	MUR-2MR-1-PM	MUR-2FR-1-PM
			300V 10A	18	MUR-2MR-1-18-PM	MUR-2FR-1-18-PM
			300V 4A	22	MUR-2MR-.5-22-PM	MUR-2FR-1-22-PM
	**3**	1-Green/Yellow 2-Black 3-White	600V 13A	16	MUR-3MR-1-PM	MUR-3FR-1-PM
			300V 10A	18	MUR-3MR-1-18-PM	MUR-3FR-1-18-PM
			300V 4A	22	MUR-3MR-.5-22-PM	MUR-3FR-1-22-PM
	**4**	1-Black 2-White 3-Red 4-Green/Yellow	600V 10A	16	MUR-4MR-1-PM	MUR-4FR-1-PM
			300V 5.5A	18	MUR-2MR-1-PM	MUR-4FR-1-18-PM
			300V 4A	22	MUR-4MR-.5-22-PM	MUR-4FR-1-22-PM
	**5**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	600V 8A	16	MUR-5MR-1-PM	MUR-5FR-1-PM
			300V 5.5A	18	MUR-5MR-1-18-PM	MUR-5FR-1-18-PM
			300V 4A	22	MUR-5MR-.5-22-PM	MUR-5FR-1-22-PM
	**6**	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	300V 8A	16	MUR-6MR-1-PM	MUR-6FR-1-PM
			300V 5.5A	18	MUR-6MR-1-18-PM	MUR-6FR-1-18-PM
			300V 4A	22	MUR-6MR-.5-22-PM	MUR-6FR-1-22-PM

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Other color codes available, please consult the factory.

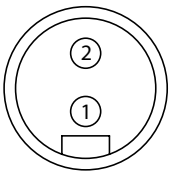
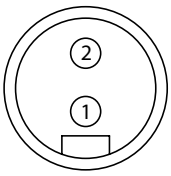
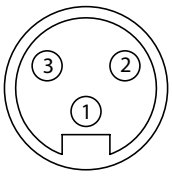
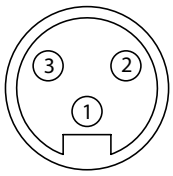
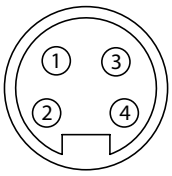
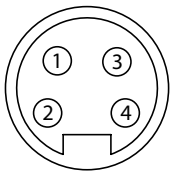
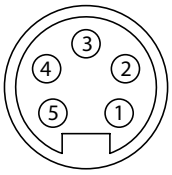
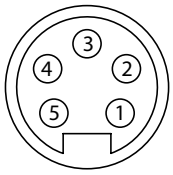
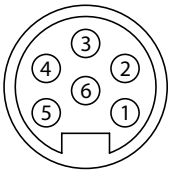
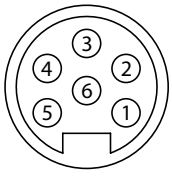
Specifications:

Shell:	Blue Anodized Aluminum
Insulator:	105°C, Oil Resistant Yellow PVC
Wire:	16 AWG: UL Style 1015, 600V 18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Gasket:	BUNA-N
Temperature:	-40°C to 105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



MUR Series Size I Receptacles

Male - Female Through Panel Receptacles

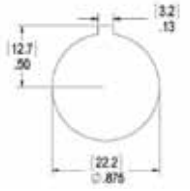
Face View of Male	# of Poles	Rating	Part Number	Wiring	Face View of Male
	**2**	600V 13A	MUR-2MFR-TM	1 to 1 2 to 2	
	**3**	600V 13A	MUR-3MFR-TM	1 to 1 2 to 2 3 to 3	
	**4**	600V 10A	MUR-4MFR-TM	1 to 1 2 to 2 3 to 3 4 to 4	
	**5**	600V 8A	MUR-5MFR-TM	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5	
	**6**	600V 8A	MUR-6MFR-TM	1 to 1 2 to 2 3 to 3 4 to 4 5 to 5 6 to 6	

Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105ºC, Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Jam Nut:	Clear Anodized Aluminum
Thrust Washer:	Zinc Die-Cast
Sealing Washer:	BUNA-N
Temperature:	-40ºC to 105ºC (-40ºF to +221ºF)
Protection:	IP 67



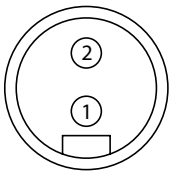
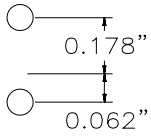
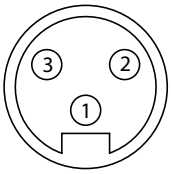
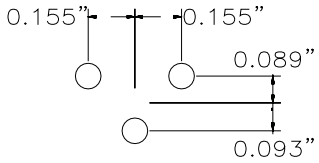
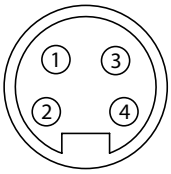
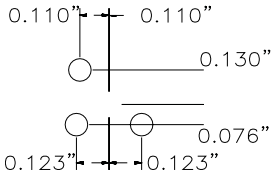
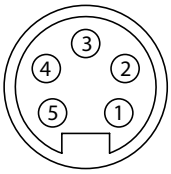
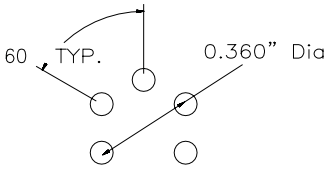
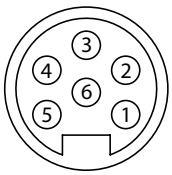
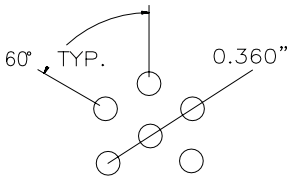
Male -Female Receptacle



Cut-out

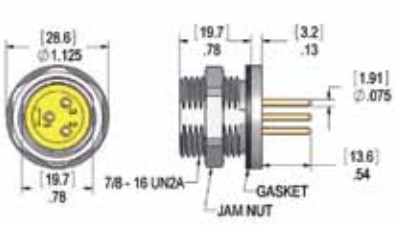
MUR Series Size I Receptacles

PCB Mount | Back Mount | Male | Female (Female Threads)

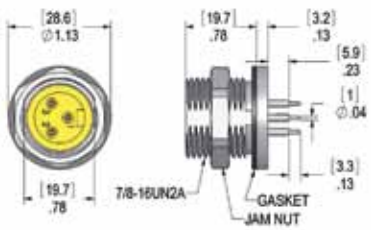
Face View of Male	# of Poles	Rating	Male Receptacles	Female Receptacles	Pin Out
	**2**	600V 13A	MUR-2MR-PCB MUR-2MR-BM-PCB	MUR-2FR-PCB MUR-2FR-BM-PCB MUR-2FRF-PCB	
	**3**	600V 13A	MUR-3MR-PCB MUR-3MR-BM-PCB	MUR-3FR-PCB MUR-3FR-BM-PCB MUR-3FRF-PCB	
	**4**	600V 10A	MUR-4MR-PCB MUR-4MR-BM-PCB	MUR-4FR-PCB MUR-4FR-BM-PCB MUR-4FRF-PCB	
	**5**	600V 8A	MUR-5MR-PCB MUR-5MR-BM-PCB	MUR-5FR-PCB MUR-5FR-BM-PCB MUR-5FRF-PCB	
	**6**	600V 8A	MUR-6MR-PCB MUR-6MR-BM-PCB	MUR-6FR-PCB MUR-6FR-BM-PCB MUR-6FRF-PCB	

Specifications:

Shell: Clear Anodized Aluminum
Insulator: 105ºC, Oil Resistant Yellow PVC
Contacts: Copper Alloy with Gold Plating
Jam Nut: Clear Anodized Aluminum
Gasket: Neoprene
Temperature: -40ºC to 105ºC (-40ºF to +221ºF)
Protection: IP 67

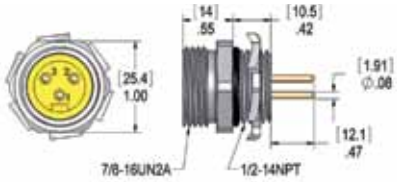


Male Receptacles
Back Mount



Female Receptacles
Back Mount

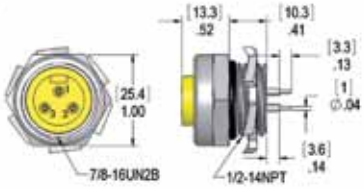
Male Receptacles



Female Receptacles

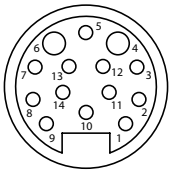


Female Receptacles (Female Threads)



| MUR Series Size I Receptacles

1/2"-14 NPT Threads | Metric Threads | 18, 22 AWG

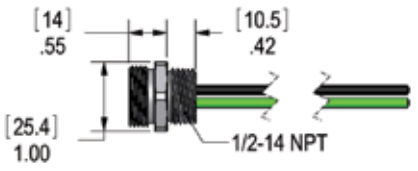
Face View of Male	# of Poles	Color Code	Wire AWG Rating	Thread Type	Length	Male Receptacles	Female Receptacles
	**14**	1-Gray w/ Pink 2-White w/ Green 3-White w/ Yellow 4-Brown* 5-Brown w/ Yellow 6-Blue* 7-Yellow 8-Green 9-Pink 10-White 11-Red w/ Blue 12-Brown w/ Green 13-Gray 14-Red	18/2 300V 8A 22/12 300V 2A	*1/2 NPT M16 x 1.5 M20 x 1.5	12" 1M 2M 12" 1M 2M 12" 1M 2M	MUR-14MR-1 MUR-14MR-1M MUR-14MR-2M MUR-14MR-1-M16 MUR-14MR-1M-M16 MUR-14MR-2M-M16 MUR-14MR-1-M20 MUR-14MR-1M-M20 MUR-14MR-2M-M20	MUR-14FR-1 MUR-14FR-1M MUR-14FR-2M MUR-14FR-1-M16 MUR-14FR-1M-M16 MUR-14FR-2M-M16

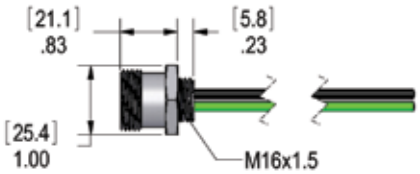
*Note: Pins 4 and 6 have 18 AWG wires. Other lengths are available, please consult the factory.

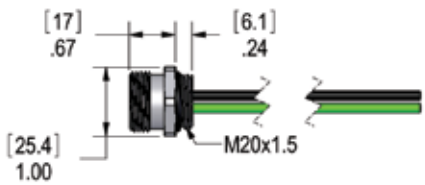
Specifications:

Shell:	Clear Anodized Aluminum
Insert:	Black Polyamide
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Seal:	NBR
O-Ring:	Metric Receptacles Only: BUNA-N
Temperature:	-40ºC to 80ºC (-40ºF to +176ºF)
Protection:	IP 67

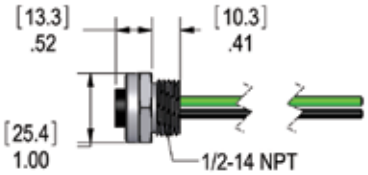
Male Receptacles

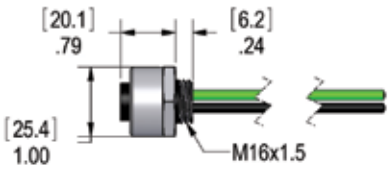






Female Receptacles





Jam Nuts: NPT, PG & Metric Threads

Jam Nuts: NPT, PG & Metric Threads					
Part #	Thread	Figure	A	Thickness	Material
MUR212M	1/2" NPT	2	28.5 mm	3.3 mm	Steel Zinc Plate
MUR211M	PG 11	1	21 mm	3.0 mm	Brass Nickel Plate
MUR213M	PG 13.5	1	21 mm	3.0 mm	Brass Nickel Plate
MUR2M16M	M16 x 1.5	1	19 mm	2.8 mm	Brass Nickel Plate
MUR2M20M	M20 x 1.5	1	24 mm	3.0 mm	Brass Nickel Plate

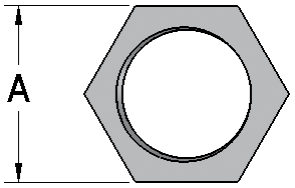


Figure 1

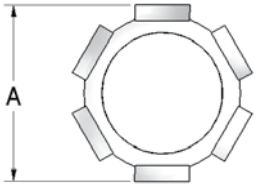
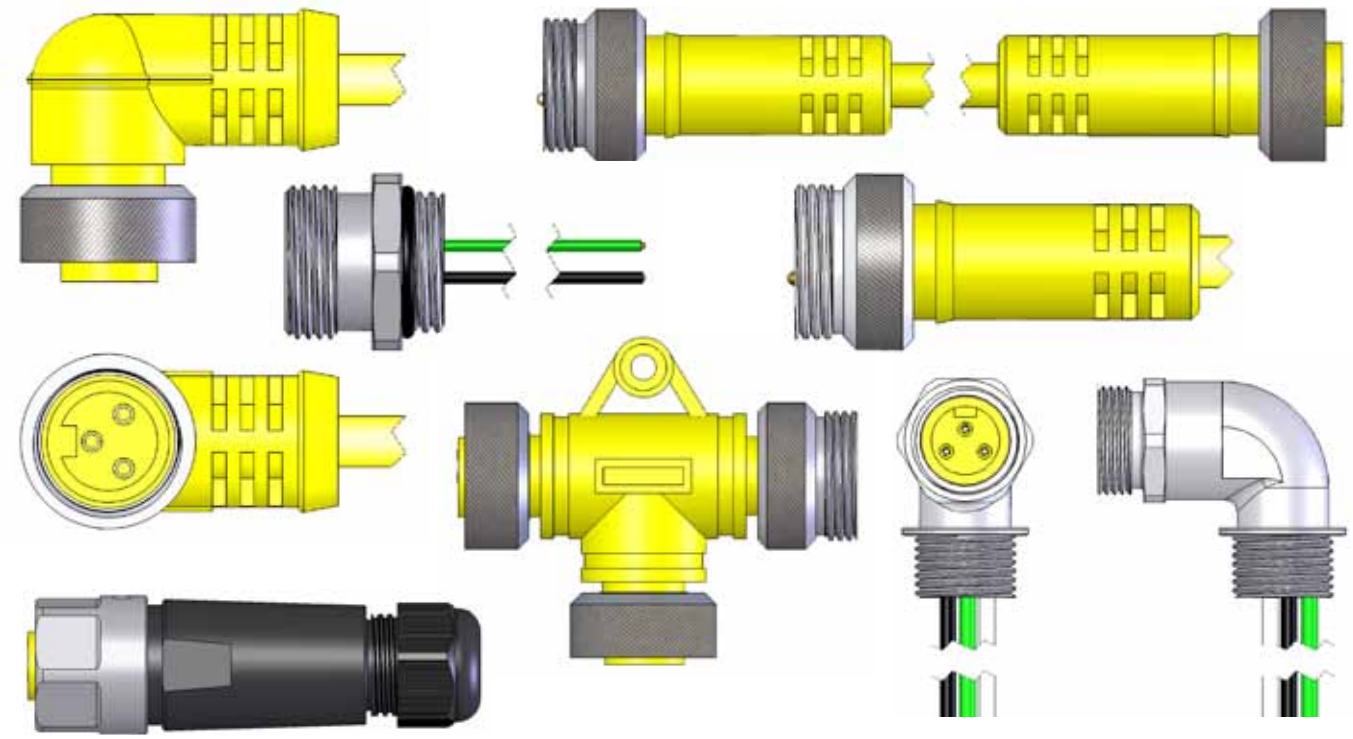


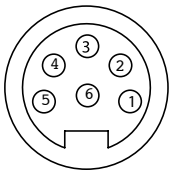
Figure 2

MURR ELEKTRONIK
stay connected

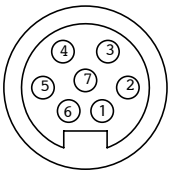
MUR Series Size II Cordsets

CORDSETS..... Pages 2-4
ACCESSORIES..... Pages 5-6

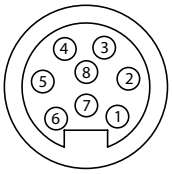




6 Pole



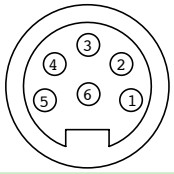
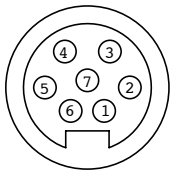
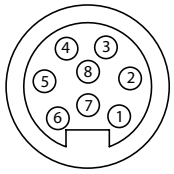
7 Pole



8 Pole

MUR Series Size II Cordsets

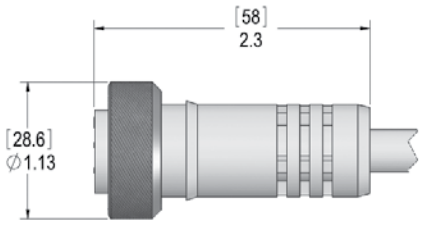
North American Color Code | PVC Cable | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Length	Female Plugs		Male Plugs
					Straight	Right Angle	Straight
	**6**	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6FPX2-3 MUR-6FPX2-6 MUR-6FPX2-12 MUR-6FPX2-20 MUR-6FPX2-30	MUR-6FPX2-3-R MUR-6FPX2-6-R MUR-6FPX2-12-R MUR-6FPX2-20-R MUR-6FPX2-30-R	MUR-6MPX2-3 MUR-6MPX2-6 MUR-6MPX2-12 MUR-6MPX2-20 MUR-6MPX2-30
	**7**	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-7FPX-3 MUR-7FPX-6 MUR-7FPX-12 MUR-7FPX-20 MUR-7FPX-30	MUR-7FPX-3-R MUR-7FPX-6-R MUR-7FPX-12-R MUR-7FPX-20-R MUR-7FPX-30-R	MUR-7MPX-3 MUR-7MPX-6 MUR-7MPX-12 MUR-7MPX-20 MUR-7MPX-30
	**8**	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-8FPX-3 MUR-8FPX-6 MUR-8FPX-12 MUR-8FPX-20 MUR-8FPX-30	MUR-8FPX-3-R MUR-8FPX-6-R MUR-8FPX-12-R MUR-8FPX-20-R MUR-8FPX-30-R	MUR-8MPX-3 MUR-8MPX-6 MUR-8MPX-12 MUR-8MPX-20 MUR-8MPX-30

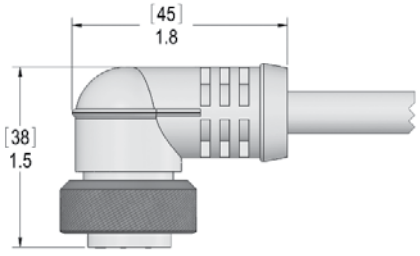
For Stainless Steel coupling nut on straight cordsets, add a "-SS" suffix (e.g. MUR-6FPX2-6 becomes MUR-6FPX2-6-SS). Please consult the factory for Stainless Steel right angle cordsets. 16 AWG 600V cable is available for the 6 pole versions, please consult factory.

Specifications:

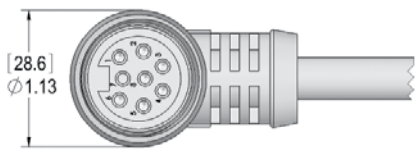
Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 300V, 105°C, Non-Wicking, Non-Hygroscopic, AWM Style 2661
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognize



Straight Plug

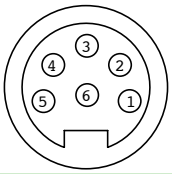
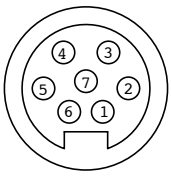
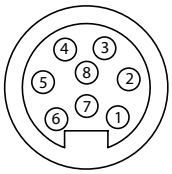


Right Angle Female Plug



| MUR Series Size II Cordsets

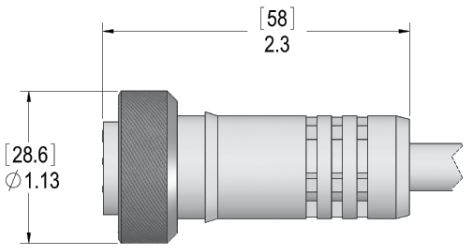
North American Color Code | PUR Cable | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	WireAWG Rating	Length	Right Angle	Straight
	**6**	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-6FPX2-3 MURP-6FPX2-6 MURP-6FPX2-12 MURP-6FPX2-20 MURP-6FPX2-30	MURP-6MPX2-3 MURP-6MPX2-6 MURP-6MPX2-12 MURP-6MPX2-20 MURP-6MPX2-30
	**7**	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-7FPX-3 MURP-7FPX-6 MURP-7FPX-12 MURP-7FPX-20 MURP-7FPX-30	MURP-7MPX-3 MURP-7MPX-6 MURP-7MPX-12 MURP-7MPX-20 MURP-7MPX-30
	**8**	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-8FPX-3 MURP-8FPX-6 MURP-8FPX-12 MURP-8FPX-20 MURP-8FPX-30	MURP-8MPX-3 MURP-8MPX-6 MURP-8MPX-12 MURP-8MPX-20 MURP-8MPX-30

For Stainless Steel coupling nut, add a "-SS" suffix (e.g. MURP-7FPX-6 becomes MURP-7FPX-6-SS).

Specifications:

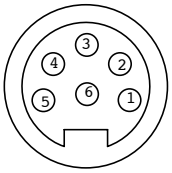
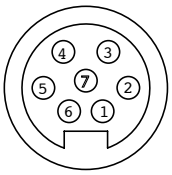
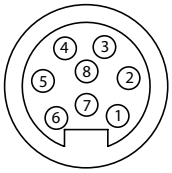
Body:	Oil Resistant Yellow PUR
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PUR Jacket, Rated at 300V, 80ºC, Non-Wicking, Non-Hygroscopic, AWM Style 20233
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



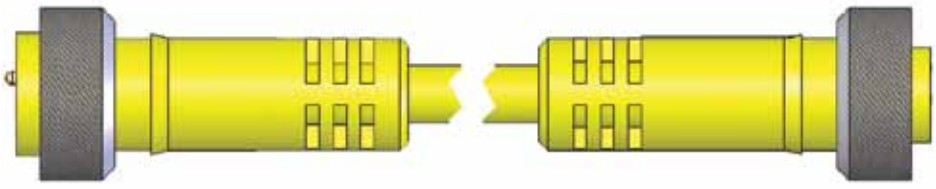
| MUR Series Size II Cordsets

Male-Female Extension Cables | PVC Cable | 18 AWG 300V Plugs

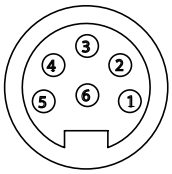
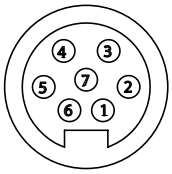
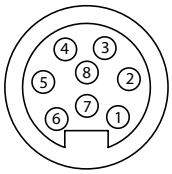
Adapter couplings that allow user to mate a male plug to a female plug are necessary for all of the MUR Series Connectors. This is due to the use of female coupling nuts on both the male and female plugs. When mating to a receptacle, the adapter is not necessary. See accessory items (page 6, Section II).

Extension Cables				
Face View of Male	# of Poles	Wire AWG Rating	Length	Part Number
	**6**	18 300V 5.5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-6MFPX2-3 MUR-6MFPX2-6 MUR-6MFPX2-12 MUR-6MFPX2-20 MUR-6MFPX2-30
	**7**	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-7MFPX-3 MUR-7MFPX-6 MUR-7MFPX-12 MUR-7MFPX-20 MUR-7MFPX-30
	**8**	18 300V 5A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-8MFPX-3 MUR-8MFPX-6 MUR-8MFPX-12 MUR-8MFPX-20 MUR-8MFPX-30

Available options: for extension cables with right angle male and/or female ends, please consult the factory.



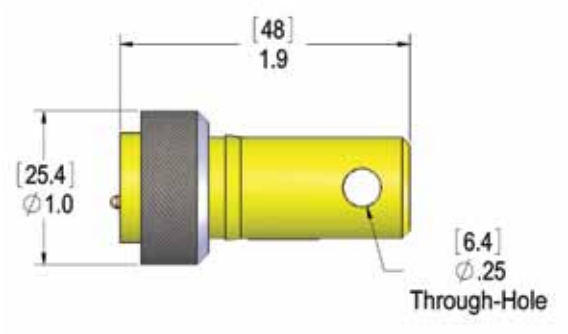
Dummy Plug

Dummy Plugs			
Face View of Male	# of Poles	Jumpers	Male Plugs
	**6**	1 to 2 4 to 5	MUR-6MP2-DP1
	**7**	1 to 2 3 to 4 5 to 6	MUR-6MP2-DP1
	**8**	1 to 2 3 to 4	MUR-8MP-DP1

For Stainless Steel locking ring, add a "-SS" suffix for Stainless (e.g. MUR-6MP2-DP1 becomes MUR-6MP2-DP1-SS). Alternate wiring is available, please consult the factory

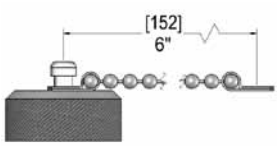
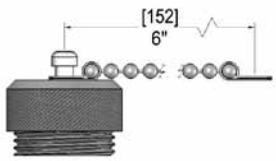
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Jumpers:	18 AWG
Temperature:	-40ºC to +105ºC (-40ºF to +221ºF)
Protection:	IP 67

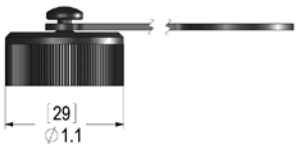
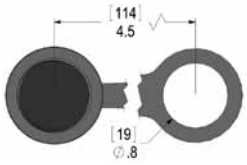


| MUR Series Size II Accessories

Caps | Adapter Coupling

Closure Caps			
Part Number: **MUR-2-CAP** (For covering receptacles & plugs with male threads)		**Part Number:** **MUR-2-PLUG** (For covering receptacles & plugs with female threads)	

0.170" Diameter Mounting Hole for Securing Chain.
Materials: Clear Anodized Aluminum with Nickel Plated Brass Chain and Hardware.

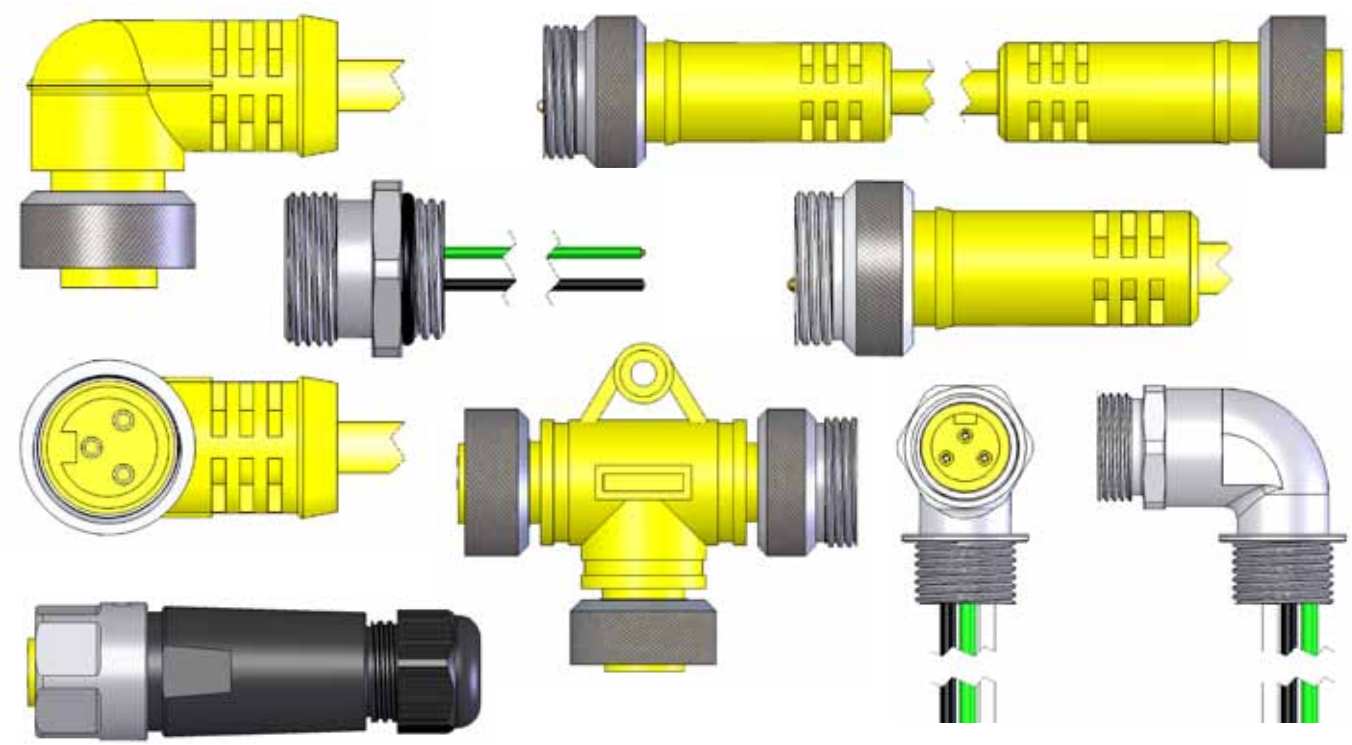
Plastic Closure Cap			
Part Number: **MUR-2-CAP-PASW** (For covering receptacles & plugs with male threads)		**Side View** **Face View**	

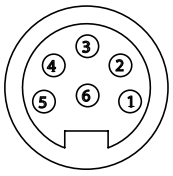
Tether mounts under receptacles with ½" NPT or M20 mounting threads and also serves as a gasket.
For male plugs with male threads, tether will attach to the plug.
Material: NBR

MUR Series II Adapter Coupling			
Part Number: **MUR-XMP2-AD** (For connecting male & female plugs with female couplings)		**Material**	Clear Anodized Aluminum

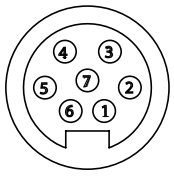
MUR Series Size II Receptacles

RECEPTACLES..... Pages 8-11
ACCESSORIES..... Pages 12

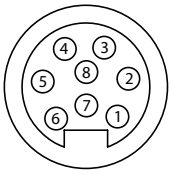




6 Pole



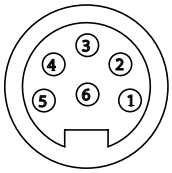
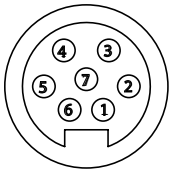
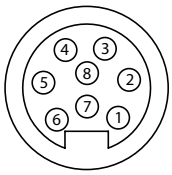
7 Pole



8 Pole

MUR Series Size II Receptacles

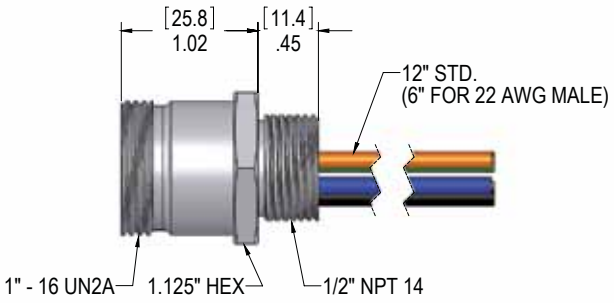
North American Color Code | 1/2"-14 NPT Threads | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	6	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	300V 5.5A	18	MUR-6MR2-1-18	MUR-6FR2-1-18
			300V 3A	22	MUR-6MR2-.5-22	MUR-6FR2-1-22
	7	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	300V 5A	18	MUR-7MR2-1-18	MUR-7FR2-1-18
			300V 3A	22	MUR-7MR2-.5-22	MUR-7FR2-1-22
	8	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	300V 5A	18	MUR-8MR2-1-18	MUR-8FR2-1-18
			300V 3A	22	MUR-8MR2-.5-22	MUR-8FR2-1-22

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. For Stainless Steel versions, add a "-SS" suffix (e.g. MUR-7MR2-1-18 becomes MUR-7MR2-1-18-SS). O-Ring and Lock Nut are included on lengths of 18 inches or longer.

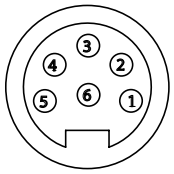
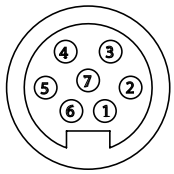
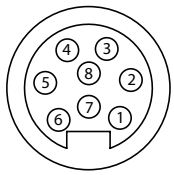
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



| MUR Series Size II Receptacles

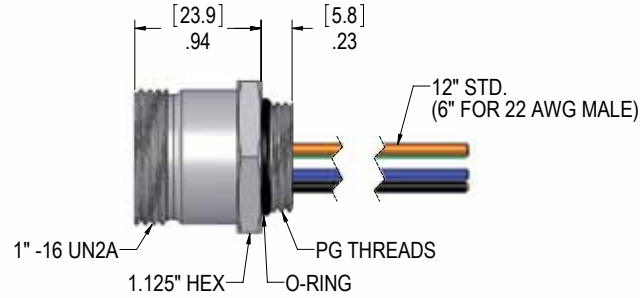
North American Color Code | European PG Threads | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Threads	Male Receptacles	Female Receptacles
	6	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	300V 5.5A	18	PG 13.5 PG 16	MUR-6MR2-1-18-PG13.5 MUR-6MR2-1-18-PG16	MUR-6FR2-1-18-PG13.5 MUR-6FR2-1-18-PG16
			300V 3A	22	PG 13.5 PG 16	MUR-6MR2-.5-22-PG13.5 MUR-6MR2-.5-22-PG16	MUR-6FR2-1-22-PG13.5 MUR-6FR2-1-22-PG16
	7	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	300V 5A	18	PG 13.5 PG 16	MUR-7MR2-1-18-PG13.5 MUR-7MR2-1-18-PG16	MUR-6MR2-1-18-PG13.5 MUR-6MR2-1-18-PG16
			300V 3A	22	PG 13.5 PG 16	MUR-7MR2-.5-22-PG13.5 MUR-7MR2-.5-22-PG16	MUR-7FR2-1-22-PG13.5 MUR-7FR2-1-22-PG16
	8	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	300V 5A	18	PG 13.5 PG 16	MUR-8MR2-1-18-PG13.5 MUR-8MR2-1-18-PG16	MUR-8FR2-1-18-PG13.5 MUR-8FR2-1-18-PG16
			300V 3A	22	PG 13.5 PG 16	MUR-8MR2-.5-22-PG13.5 MUR-8MR2-.5-22-PG16	MUR-8FR2-1-22-PG13.5 MUR-8FR2-1-22-PG16

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Black anodized version available for PG 13.5 style. Other color codes available, please consult the factory. Lock Nut is included on lengths of 18 inches or longer.

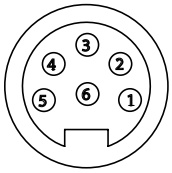
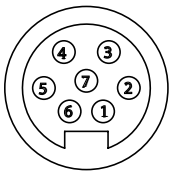
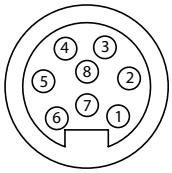
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG:UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



MUR Series Size II Accessories

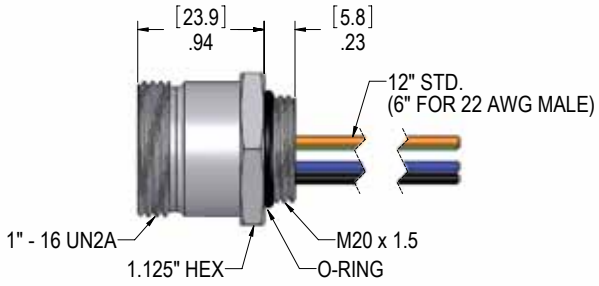
North American Color Code | Metric Threads | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	6	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	300V 5.5A	18	MUR-6MR2-1-18-M20	MUR-6FR2-1-18-M20
			300V 3A	22	MUR-6MR2-.5-22-M20	MUR-6FR2-1-22-M20
	7	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	300V 5A	18	MUR-7MR2-1-18-M20	MUR-7FR2-1-18-M20
			300V 3A	22	MUR-7MR2-.5-22-M20	MUR-7FR2-1-22-M20
	8	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	300V 5A	18	MUR-8MR2-1-18-M20	MUR-8FR2-1-18-M20
			300V 3A	22	MUR-8MR2-.5-22-M20	MUR-8FR2-1-22-M20

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. Black anodized and Stainless Steel versions are available. Other color codes available, please consult the factory. Lock Nut is included on lengths of 18 inches or longer.

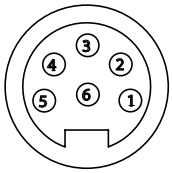
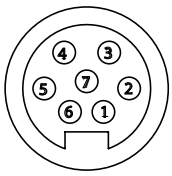
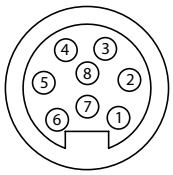
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C Oil Resistant Yellow PVC
Wire:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



| MUR Series Size II Receptacles

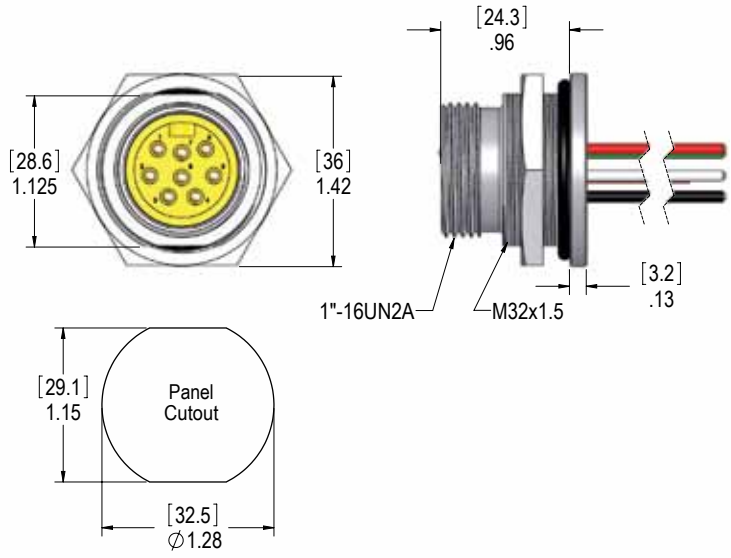
North American Color Code | Back Mount | 18, 22 AWG

Face View of Male	# of Poles	Color Code	Rating	Wire AWG	Male Receptacles	Female Receptacles
	6	1-Orange 2-Blue 3-Black 4-White 5-Red 6-Green/Yellow	300V 5.5A	18	MUR-6MR2-1-18-BM	MUR-6FR2-1-18-BM
			300V 3A	22	MUR-6MR2-.5-22-BM	MUR-6FR2-1-22-BM
	7	1-White w/ Black 2-Black 3-White 4-Red 5-Orange 6-Blue 7-Green/Yellow	300V 5A	18	MUR-7MR2-1-18-BM	MUR-7FR2-1-18-BM
			300V 3A	22	MUR-7MR2-.5-22-BM	MUR-7FR2-1-22-BM
	8	1-Orange 2-Blue 3-White w/ Black 4-Black 5-White 6-Red 7-Green/Yellow 8-Red w/ Black	300V 5A	18	MUR-8MR2-1-18-BM	MUR-8FR2-1-18-BM
			300V 3A	22	MUR-8MR2-.5-22-BM	MUR-8FR2-1-22-BM

12" leads are standard (6" standard on male 22 AWG). Longer lead lengths are available, please consult the factory for part numbers. For Stainless Steel versions, add a "-SS" suffix (e.g. MUR-7MR2-1-18-BM becomes MUR-7MR2-1-18-BM-SS)

Specifications:

Shell:	Clear Anodized Aluminum or Stainless Steel
Insulator:	105° C, Oil Resistant Yellow PVC
Wire:	18 & 22 AWG UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



MUR Series Size I Accessories

Jam Nuts: NPT, PG & Metric Threads

Jam Nuts: NPT, PG & Metric Threads					
Part #	Thread	Figure	A	Thickness	Material
MUR212M	1/2" NPT	2	28.5 mm	3.3 mm	Steel Zinc Plate
MUR213M	PG 13.5	1	21 mm	3.0 mm	Brass Nickel Plate
MUR216M	PG 16	1	26 mm	3.0 mm	Brass Nickel Plate
MUR2M20M	M20 x 1.5	1	24 mm	3.0 mm	Brass Nickel Plate

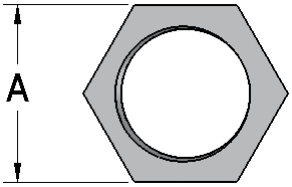


Figure 1

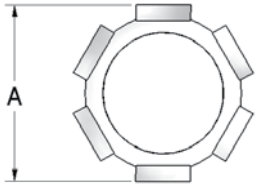
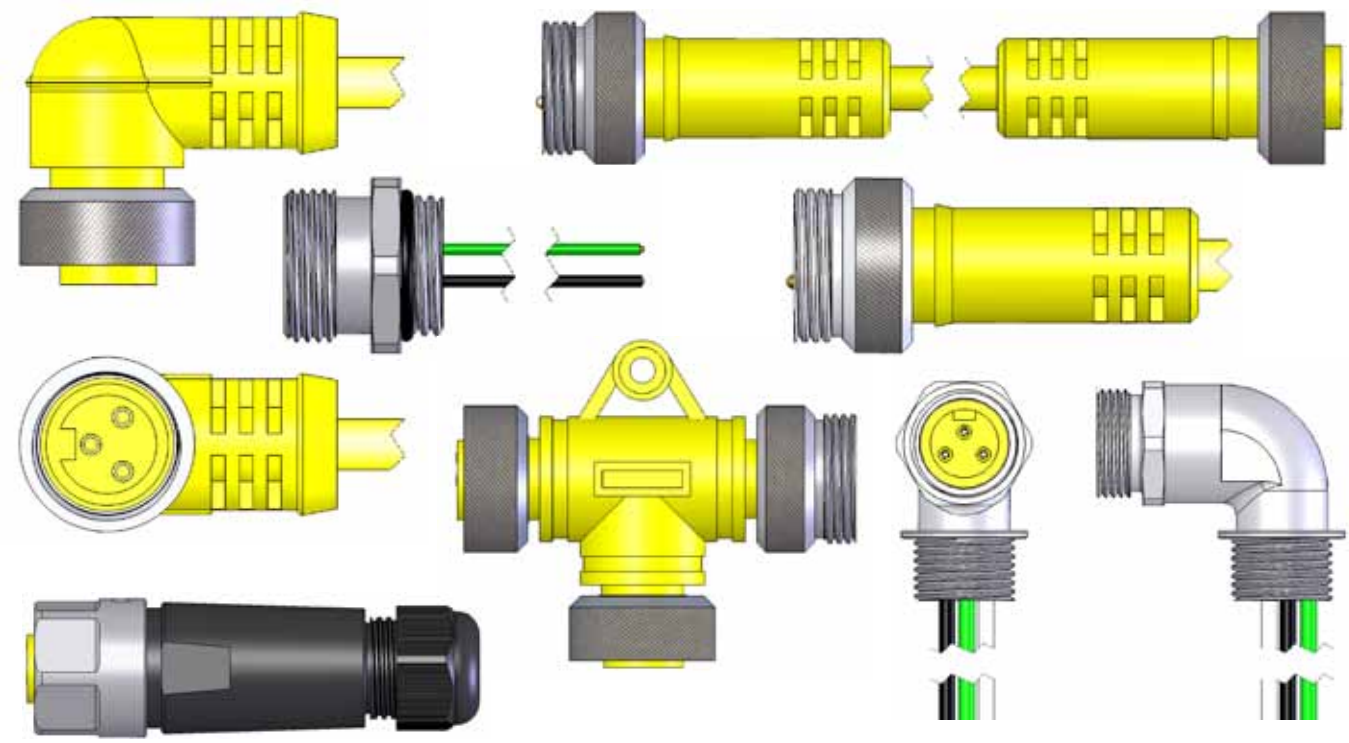


Figure 2

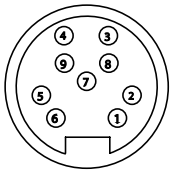
MUR SERIES SIZE III CORDSETS

CORDSETS..... Pages 2-5

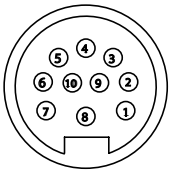
ACCESSORIES..... Pages 6-7



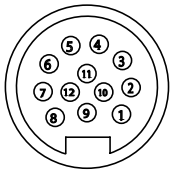
12 Pole **19 Pole**



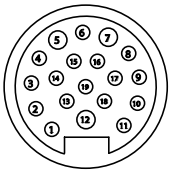
9 Pole



10 Pole



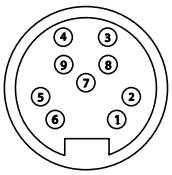
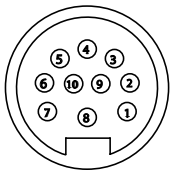
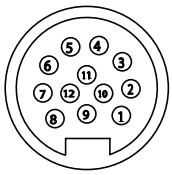
12 Pole



19 Pole

MUR Series Size III Cordsets

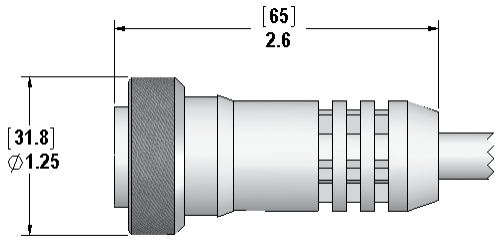
North American Color Code | PVC Cable | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code		Wire AWG Rating	Length	Straight	Male Plugs
	9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-9FPX-3 MUR-9FPX-6 MUR-9FPX-12 MUR-9FPX-20 MUR-9FPX-30	MUR-9MPX-3 MUR-9MPX-6 MUR-9MPX-12 MUR-9MPX-20 MUR-9MPX-30
	10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-10FPX-3 MUR-10FPX-6 MUR-10FPX-12 MUR-10FPX-20 MUR-10FPX-30 MUR-10FPX-50	MUR-10MPX-3 MUR-10MPX-6 MUR-10MPX-12 MUR-10MPX-20 MUR-10MPX-30
	12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT 50 FT	MUR-12FPX-3 MUR-12FPX-6 MUR-12FPX-12 MUR-12FPX-20 MUR-12FPX-30 MUR-12FPX-50	MUR-12MPX-3 MUR-12MPX-6 MUR-12MPX-12 MUR-12MPX-20 MUR-12MPX-30

For Stainless Steel coupling nut, add a "-SS" suffix (e.g. MUR-9FPX-6 becomes MUR-9FPX-6-SS).

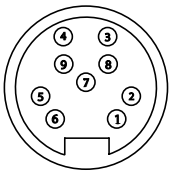
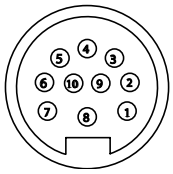
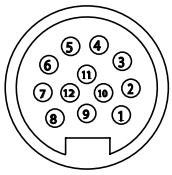
Specifications:

Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 300V, 105°C, Non-Wicking, Non-Hygroscopic, AWM Style 2661
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized



| MUR Series Size III Cordsets

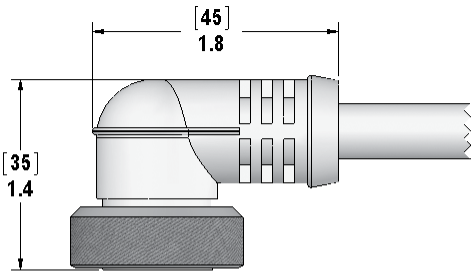
North American Color Code | PVC Cable | 18 AWG 300V Female Right Angle

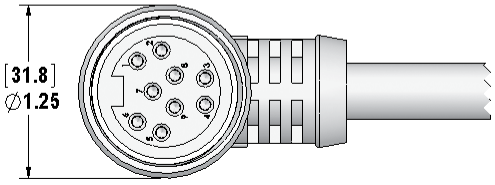
Face View of Male	# of Poles	Color Code		Wire AWG Rating	Length	Female Plugs Right Angle
	**9**	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-9FPX-3-R MUR-9FPX-6-R MUR-9FPX-12-R MUR-9FPX-20-R MUR-9FPX-30-R
	**10**	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-10FPX-3-R MUR-10FPX-6-R MUR-10FPX-12-R MUR-10FPX-20-R MUR-10FPX-30-R
	**12**	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT 50 FT	MUR-12FPX-3-R MUR-12FPX-6-R MUR-12FPX-12-R MUR-12FPX-20-R MUR-12FPX-30-R

For Stainless Steel coupling nut, please consult the factory.

Specifications:

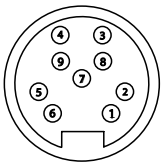
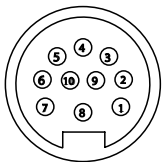
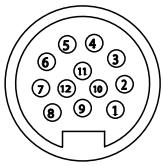
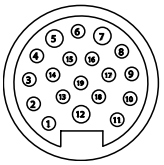
Body:	Oil Resistant Yellow PVC
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PVC Jacket, Rated at 300V, 105°C, Non-Wicking, Non-Hygroscopic, AWM Style 2661
Conductors:	18 AWG Bare Copper, PVC Insulated
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized





MUR Series Size III Cordsets

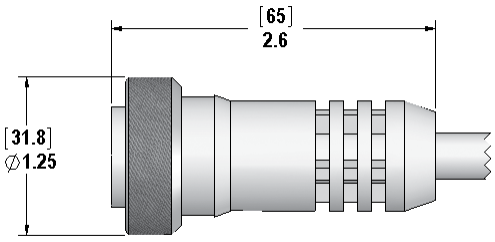
North American Color Code | PUR Cable | 18, 22 AWG 300V Plugs

Face View of Male	# of Poles	Color Code		Wire AWG Rating	Length	Straight	Male Plugs
	**9**	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-9FPX-3 MURP-9FPX-6 MURP-9FPX-12 MURP-9FPX-20 MURP-9FPX-30	MURP-9MPX-3 MURP-9MPX-6 MURP-9MPX-12 MURP-9MPX-20 MURP-9MPX-30
	**10**	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-10FPX-3 MURP-10FPX-6 MURP-10FPX-12 MURP-10FPX-20 MURP-10FPX-30	MURP-10MPX-3 MURP-10MPX-6 MURP-10MPX-12 MURP-10MPX-20 MURP-10MPX-30
	**12**	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MURP-12FPX-3 MURP-12FPX-6 MURP-12FPX-12 MURP-12FPX-20 MURP-12FPX-30	MURP-12MPX-3 MURP-12MPX-6 MURP-12MPX-12 MURP-12MPX-20 MURP-12MPX-30
	**19**	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray	11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 300V 8A 22/16 300V 3A	2 M* 4 M* 6 M* 10 M*	MURP-19FP-2M MURP-19FP-4M MURP-19FP-6M MURP-19FP-10M	MURP-19MP-2M MURP-19MP-4M MURP-19MP-6M MURP-19MP-10M

* 19 Pole Plugs have a foil shield and are measured in meters. Pins 5, 7, and 12 have 18 AWG wires.
For Stainless Steel coupling nut, add a "-SS" suffix (e.g. MURP-9FPX-6 becomes MURP-9FPX-6-SS).

Specifications:

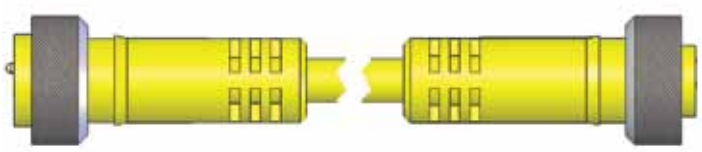
Body:	Oil Resistant Yellow PUR
Contacts:	Copper Alloy with Gold Plating
Coupling Nut:	Clear Anodized Aluminum
Cable:	Oil Resistant Yellow PUR Jacket, Rated at 300V, 80ºC, Non-Wicking, Non-Hygroscopic, AWM Style 20233 19 Pole Plug has a foil shield and black jacket
Conductors:	18 AWG Bare Copper, PVC Insulated 22 AWG Bare Copper, PVC Insulated
Temperature:	-40ºC to +80ºC (-40ºF to +176ºF)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized 19 Pole: U.S.: UL Pending Canada: C-UL Pending

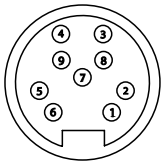
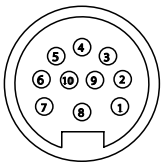
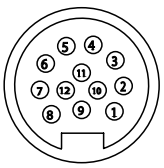
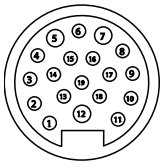


| MUR Series Size III Extension Cables

MALE-FEMALE EXTENSION CABLES | PVC & PUR Cable | 18, 22 AWG 300V Plugs

Adapter/Couplings that allow user to mate a male plug to a female plug are necessary for all of the MIN Series Connectors. This is due to the use of female coupling nuts on both the male and female plugs. When mating to a receptacle, the adapter is not necessary. See accessory items on page 7. For the adapter coupling, order MUR-XMP3-AD.

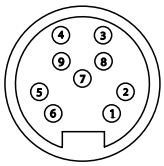
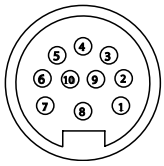
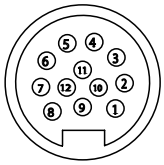


Face View of Male	# of Poles	Wire AWG	Length	Part Numbers	
				PVC	PUR
	**9**	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-9MFPX-3 MUR-9MFPX-6 MUR-9MFPX-12 MUR-9MFPX-20 MUR-9MFPX-30	MURP-9MFPX-3 MURP-9MFPX-6 MURP-9MFPX-12 MURP-9MFPX-20 MURP-9MFPX-30
	**10**	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-10MFPX-3 MUR-10MFPX-6 MUR-10MFPX-12 MUR-10MFPX-20 MUR-10MFPX-30	MURP-10MFPX-3 MURP-10MFPX-6 MURP-10MFPX-12 MURP-10MFPX-20 MURP-10MFPX-30
	**12**	18 300V 4A	3 FT 6 FT 12 FT 20 FT 30 FT	MUR-12MFPX-3 MUR-12MFPX-6 MUR-12MFPX-12 MUR-12MFPX-20 MUR-12MFPX-30	MURP-12MFPX-3 MURP-12MFPX-6 MURP-12MFPX-12 MURP-12MFPX-20 MURP-12MFPX-30
	**19**	18/3 300V 8A 22/16 300V 3A	2 M 4 M 6 M 10 M		MURP-19MFP-2M MURP-19MFP-4M MURP-19MFP-6M MURP-19MFP-10M

* 19 Pole Plugs have a foil shield and are measured in meters. For available options for extension cables with right angle male and/or female ends or for stainless steel couplings, please consult the factory.

MUR Series Size III Field Wireable Plugs

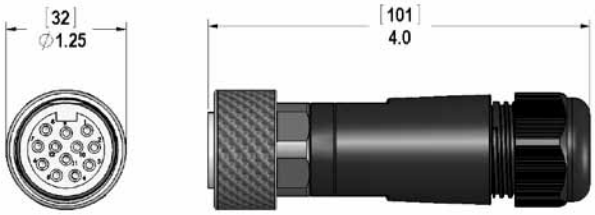
18-22 AWG 600V MAX

Face View of Male	# of Poles	Wire AWG Rating	Cable O.D. Range	Female Straight (Female Threads)	Male Straight (Female Threads)	Male Straight (Female Threads)
	9	18-22 AWG 600V MAX 4A MAX	5-13 mm 8-17 mm	MUR-9FP-FW MUR-9FP-FWX	MUR-9MP-FW MUR-9MP-FWX	MUR-9MPM-FW MUR-9MPM-FWX
	10	18-22 AWG 600V MAX 4A MAX	5-13 mm 8-17 mm	MUR-10FP-FW MUR-10FP-FWX	MUR-10MP-FW MUR-10MP-FWX	MUR-10MPM-FW MUR-10MPM-FWX
	12	18-22 AWG 600V MAX 4A MAX	5-13 mm 8-17 mm	MURC-12FP-FW MURC-12FP-FWX	MUR-12MP-FW MUR-12MP-FWX	MURC-12MPM-FW MURC-12MPM-FWX

Connection via solder cup terminal. Voltage and amperage ratings are cable dependent and are based on 600V 18 AWG cable. Cables with lower voltage ratings and smaller conductors will lower these ratings.

Specifications:

Body:	Polyamide & Polybutylene Terephtalate (PBT)
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Coupling Nut:	Black Anodized Aluminum
Insert:	PVC
Temperature: -	40°C to +90°C (-40°F to +194°F)
Protection:	IP 67 MAX
Approvals:	UL Pending



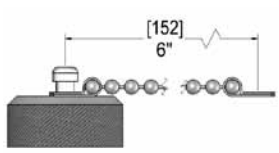
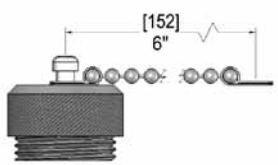
Male or Female Plug with Female Threads



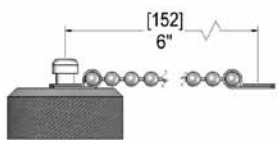
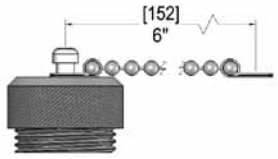
Male Plug with Male Threads

MUR Series Size III Accessories

Accessories

Closure Caps			
Part Number: **MUR-3-CAP** (For covering receptacles & plugs with male threads)		**Part Number:** **MUR-3-PLUG** (For covering receptacles & plugs with female threads)	

0.170" Diameter Mounting Hole for Securing Chain.
Materials: Clear Anodized Aluminum with Nickel Plated Brass Chain and Hardware.

Part Number: **MUR-3-CAP-SS** (For covering receptacles & plugs with male threads)		**Part Number:** **MUR-3-PLUG-SS** (For covering receptacles & plugs with female threads)	

0.170" Diameter Mounting Hole for Securing Chain.
Materials: Stainless Steel with Nickel Plated Brass Chain and Hardware.

MUR Series III Adapter Coupling			
Part Number: **MUR-XMP3-AD** (For connecting male & female plugs with female couplings)		**Material**	Clear Anodized Aluminum
Part Number: **MUR-XMP3-AD-SS** (For connecting male & female plugs with female couplings)		**Material**	Stainless Steel

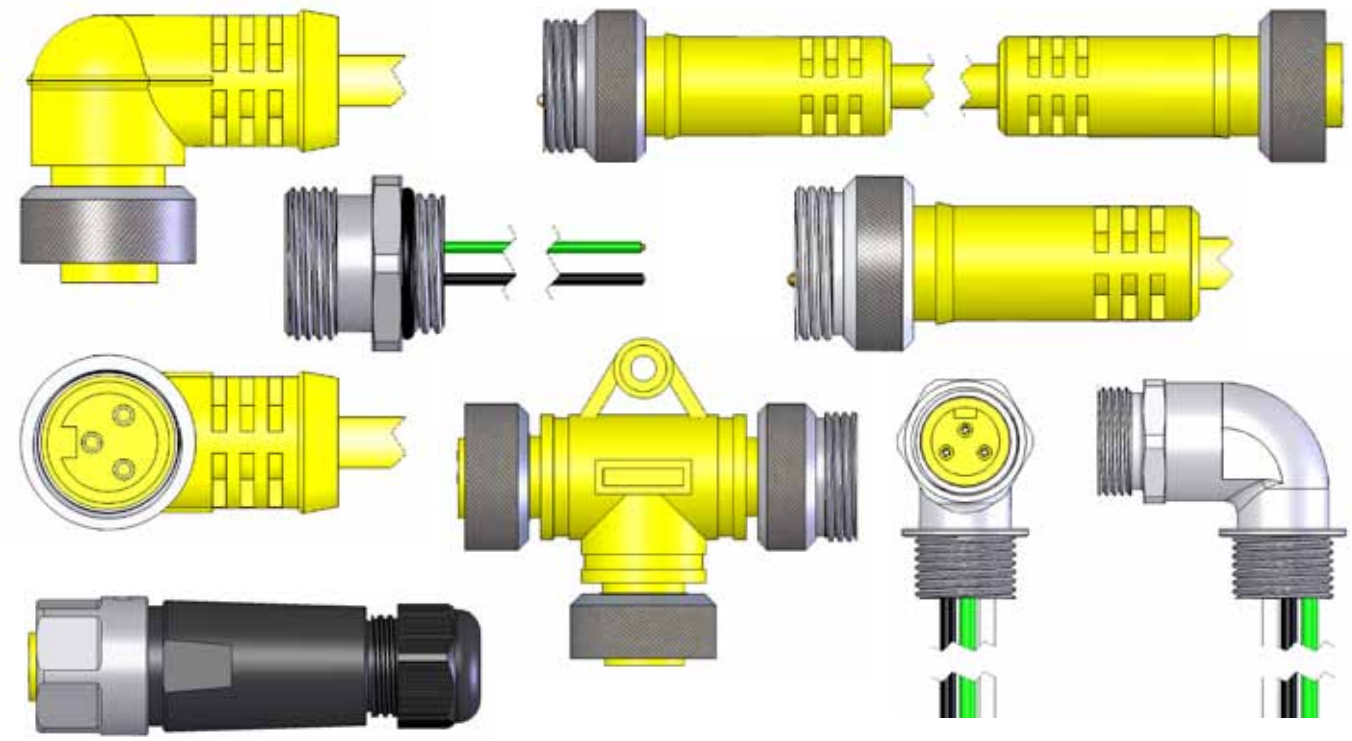
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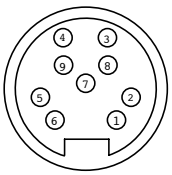
MURR ELEKTRONIK
stay connected

MUR SERIES SIZE III RECEPTACLES

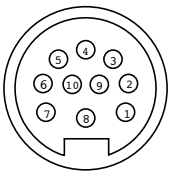
RECEPTACLES..... Pages 10-13

ACCESSORIES..... Pages 14

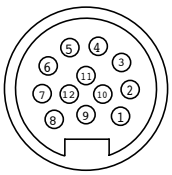




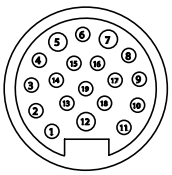
9 Pole



10 Pole



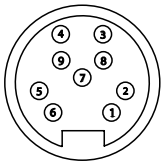
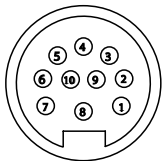
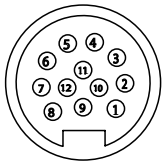
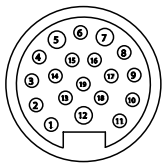
12 Pole



19 Pole

MUR Series Size III Receptacles

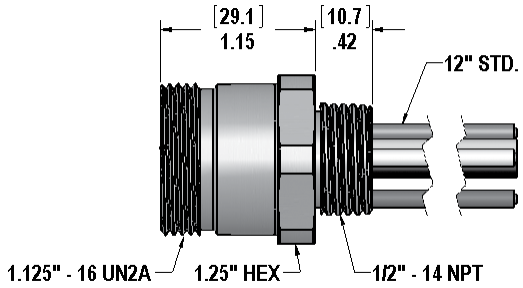
North American Color Code | 1/2"-14 NPT Threads | 18, 22 AWG 300V Plugs

Face View of Male	# of Poles	Color Code		Wire AWG Rating	Male Receptacles	Female Receptacles
	9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	MUR-9MR-1-18	MUR-9FR-1-18
				22 300V 3A	MUR-9MR-1-22	MUR-9FR-1-22
	10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	MUR-10MR-1-18	MUR-10FR-1-18
				22 300V 3A	MUR-10MR-1-22	MUR-10FR-1-22
	12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	MUR-12MR-1-18	MUR-12FR-1-18
				22 300V 3A	MUR-12MR-1-22	MUR-12FR-1-22
	19	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray	11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 300V 8A & 22/16 300V 3A	MUR-9MR-1-18	MUR-9FR-1-18

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. For Stainless Steel version, add a "SS" suffix (e.g. MUR-9MR-1-18-SS). Other wire gauges and color codes are available, please consult the factory. Note: For the 19 Pin, Pins 5, 7, and 12 have 18 AWG wires. O-Ring and Lock Nut are included on lengths of 18 inches or longer.

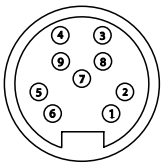
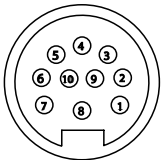
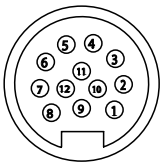
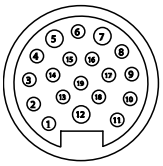
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wires:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized 19 Pole: U.S.: UL Pending Canada: C-UL Pending



MUR Series Size III Receptacles

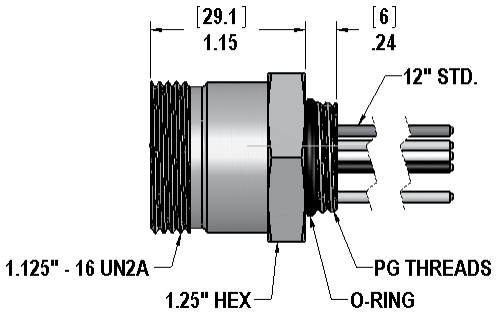
North American Color Code | European PG Threads | 18 AWG 300V Female Right Angle

Face View of Male	# of Poles	Color Code		Wire AWG Rating	Threads	Male Receptacles	Female Receptacles
	9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	PG 13.5 PG 16	MUR-9MR-1-18-PG13.5 MUR-9MR-1-18-PG16	MUR-9FR-1-18-PG13.5 MUR-9FR-1-18-PG16
				22 300V 3A	PG 13.5 PG 16	MUR-9MR-1-22-PG13.5 MUR-9MR-1-22-PG16	MUR-9FR-1-22-PG13.5 MUR-9FR-1-22-PG16
	10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	PG 13.5 PG 16	MUR-10MR-1-18-PG13.5 MUR-10MR-1-18-PG16	MUR-10FR-1-18-PG13.5 MUR-10FR-1-18-PG16
				22 300V 3A	PG 13.5 PG 16	MUR-10MR-1-22-PG13.5 MUR-10MR-1-22-PG16	MUR-10FR-1-22-PG13.5 MUR-10FR-1-22-PG16
	12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	PG 13.5 PG 16	MUR-12MR-1-18-PG13.5 MUR-12MR-1-18-PG16	MUR-12FR-1-18-PG13.5 MUR-12FR-1-18-PG16
				22 300V 3A	PG 13.5 PG 16	MUR-12MR-1-22-PG13.5 MUR-12MR-1-22-PG16	MUR-12FR-1-22-PG13.5 MUR-12FR-1-22-PG16
	19	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray	11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 300V 8A & 22/16 300V 3A	PG 13.5 PG 16	MUR-19MR-1-PG13.5 MUR-19MR-1-PG16	MUR-19FR-1-PG13.5 MUR-19FR-1-PG16

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. Other wire gauges and color codes are available, please consult the factory. Note: For the 19 Pin, Pins 5, 7, and 12 have 18 AWG wires. Lock Nut is included on lengths of 18 inches or longer.

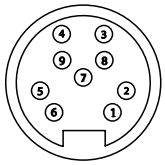
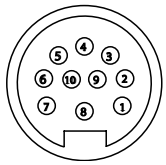
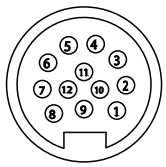
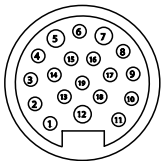
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wires:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized 19 Pole: U.S.: UL Pending Canada: C-UL Pending



MUR Series Size III Receptacles

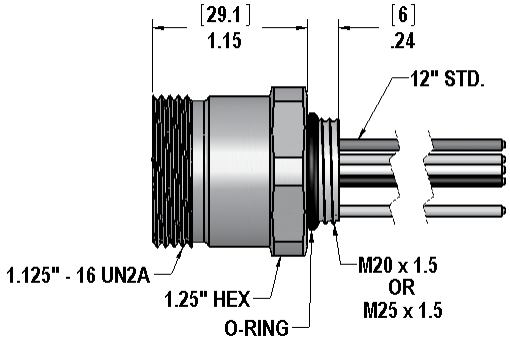
North American Color Code | Metric Threads | 18 AWG 300V Plugs

Face View of Male	# of Poles	Color Code	Wire AWG Rating	Threads	Male Receptacles	Female Receptacles
	9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White 6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	M20 x 1.5 M25 x 1.5	MUR-9MR-1-18-M20 MUR-9MR-1-18-M25	MUR-9FR-1-18-M20 MUR-9FR-1-18-M25
			22 300V 3A	M20 x 1.5 M25 x 1.5	MUR-9MR-1-22-M20 MUR-9MR-1-22-M25	MUR-9FR-1-22-M20 MUR-9FR-1-22-M25
	10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	M20 x 1.5 M25 x 1.5	MUR-10MR-1-18-M20 MUR-10MR-1-18-M25	MUR-10FR-1-18-M20 MUR-10FR-1-18-M25
			22 300V 3A	M20 x 1.5 M25 x 1.5	MUR-10MR-1-22-M20 MUR-10MR-1-22-M25	MUR-10FR-1-22-M20 MUR-10FR-1-22-M25
	12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black 7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	M20 x 1.5 M25 x 1.5	MUR-12MR-1-18-M20 MUR-12MR-1-18-M25	MUR-12FR-1-18-M20 MUR-12FR-1-18-M25
			22 300V 3A	M20 x 1.5 M25 x 1.5	MUR-12MR-1-22-M20 MUR-12MR-1-22-M25	MUR-12FR-1-22-M20 MUR-12FR-1-22-M25
	19	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray 11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 300V 8A & 22/16 300V 3A	M20 x 1.5 M25 x 1.5	MUR-19MR-1-M20 MUR-19MR-1-M25	MUR-19FR-1-M20 MUR-19FR-1-M25

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. Other wire gauges and color codes are available, please consult the factory. Note: For the 19 Pin, Pins 5, 7, and 12 have 18 AWG wires. Lock Nut is included on lengths of 18 inches or longer. The M25 is available in Stainless Steel, please consult the factory for part number.

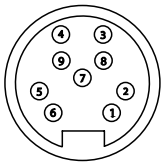
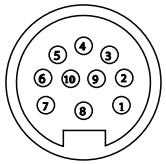
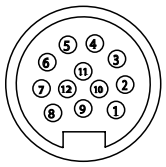
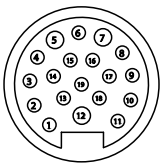
Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wires:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals: U.S.:	UL Recognized
	Canada: C-UL Recognized
	19 Pole: U.S.: UL Pending
	Canada: C-UL Pending



| MUR Series Size III Receptacles

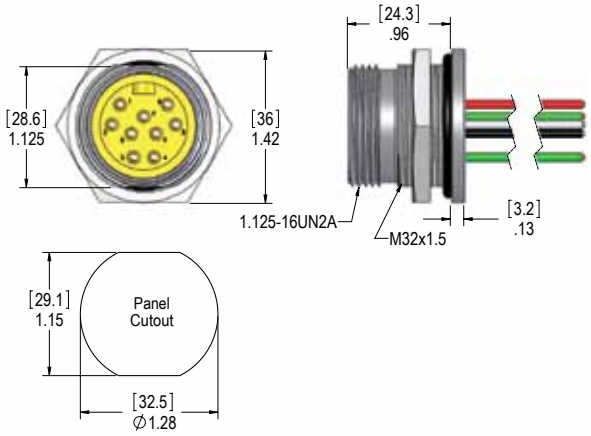
North American Color Code | Back Mount | 18 & 22 AWG 300V

Face View of Male	# of Poles	Color Code		Wire AWG Rating	Male Receptacles	Female Receptacles
	9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White	6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18 300V 4A	MUR-9MR-1-18-BM	MUR-9FR-1-18-BM
				22 300V 3A	MUR-9MR-1-22-BM	MUR-9FR-1-22-BM
	10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black	6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18 300V 4A	MUR-10MR-1-18-BM	MUR-10FR-1-18-BM
				22 300V 3A	MUR-10MR-1-22-BM	MUR-10FR-1-22-BM
	12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black	7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18 300V 4A	MUR-12MR-1-18-BM	MUR-12FR-1-18-BM
				22 300V 3A	MUR-12MR-1-22-BM	MUR-12FR-1-22-BM
	19	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray	11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 300V 8A & 22/16 300V 3A	MUR-9MR-1-18-BM	MUR-9FR-1-18-BM

12" leads are standard. Longer lead lengths are available, please consult the factory for part numbers. Other wire gauges and color codes are available, please consult the factory. Stainless Steel versions add "-SS" to the part number (e.g. MUR-9MR-1-18-BM becomes MUR-9MR-1-18-BM-SS) Note: For the 19 Pin, Pins 5, 7, and 12 have 18 AWG wires.

Specifications:

Shell:	Clear Anodized Aluminum
Insulator:	105° C, Oil Resistant Yellow PVC
Wires:	18 & 22 AWG: UL Style 1007/1569, 300V
Contacts:	Copper Alloy with Gold Plating
O-Ring:	BUNA-N
Temperature:	-40°C to +105°C (-40°F to +221°F)
Protection:	IP 67
Approvals:	U.S.: UL Recognized Canada: C-UL Recognized 19 Pole:U.S.: UL Pending



MUR Series Size III Accessories

Jam Nuts: NPT, PG & Metric Threads

Jam Nuts: NPT, PG & Metric Threads					
Part #	Thread	Figure	A	Thickness	Material
MUR212M	1/2" NPT	2	28.5 mm	3.3 mm	Steel Zinc Plate
MUR213M	PG 13.5	1	21 mm	3.0 mm	Brass Nickel Plate
MUR216M	PG 16	1	26 mm	3.0 mm	Brass Nickel Plate
MUR2M20M	M20 x 1.5	1	24 mm	3.0 mm	Brass Nickel Plate
MUR2M25M	M25 x 1.5	1	32 mm	3.5 mm	Brass Nickel Plate

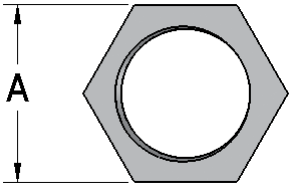


Figure 1

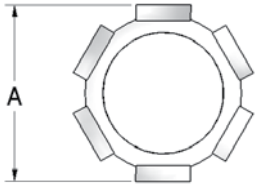


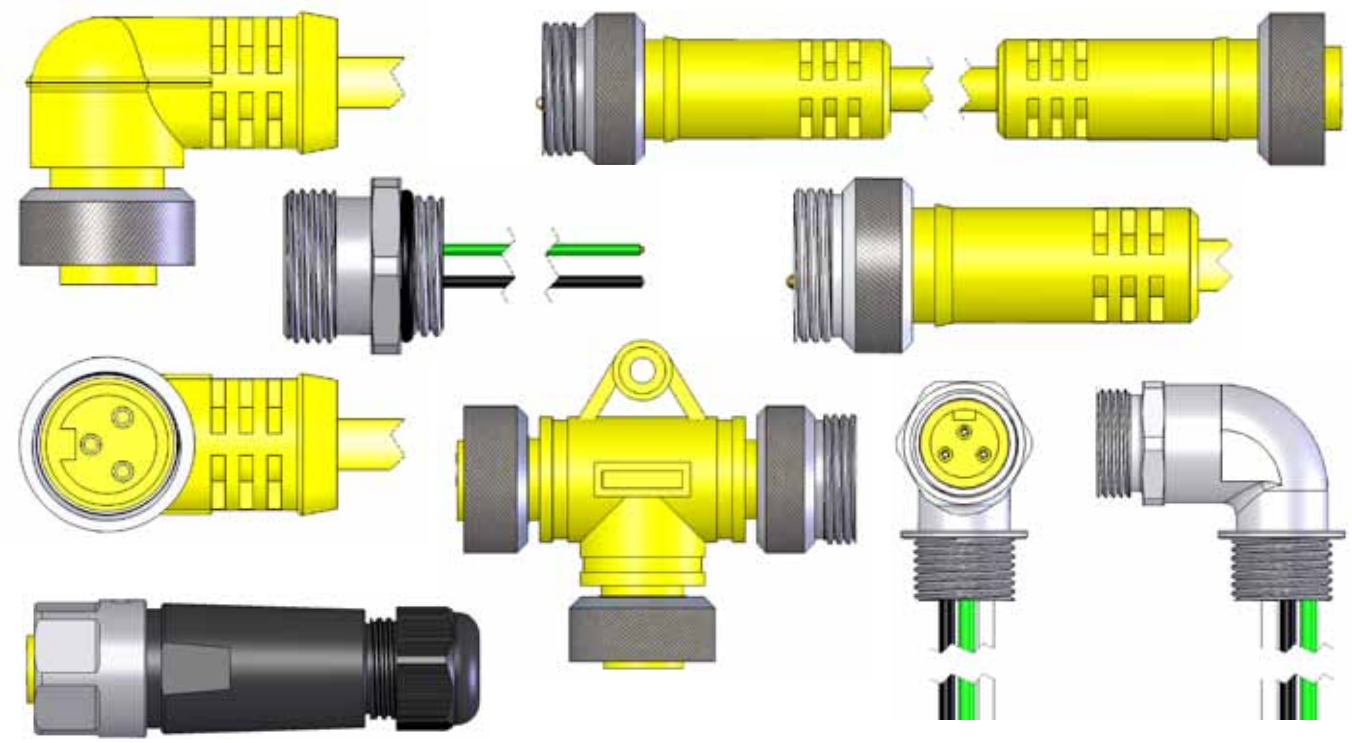
Figure 2

MUR Cables & Specifications

MUR SERIES SIZE I.....Pages 2-5

MUR SERIES SIZE II.....Pages 4

MUR SERIES SIZE III.....Pages 2-5



Cable Specifications MUR Series Size I

MUR Series Size I Cable Specifications					
# of Conductors	WIRE AWG	Voltage Rating	Insulation Material	UL STYLE	O.D.
2	16	600	PVC	STOW	0.37″
3	14	600	PVC	STOW	0.51″
3	16	600	PVC	STOW	0.38″
3	16	600	PUR	UL 20233	0.37″
3	16	600	TPE	SEOOW	0.38″
3	18	300	PVC	SJTOOW	0.33″
3	18	300	PVC	AWM 2661	0.23″ ***
4	14	600	PVC	AWM 2662	0.53″
4	16	600	PVC	STOW	0.42″
4	18	300	PVC	AWM 2661	0.29″
4	18	300	PUR	UL 20233	0.29″
5	16	600	PVC	STOW	0.51″
5	16	600	PUR	UL20233	0.51″
5	16	600	TPE	SEOOW	0.51″
5	18	300	PVC	AWM 2661	0.29″
6	16	600	PVC	STOW	0.52″
6	18	300	PVC	AWM 2661	0.32″
6	18	300	PUR	UL 20233	0.32″

Cable Construction subject to change without notice.
*** Automotive Color Code

Cables MUR Series Size I

MUR Series Size I Cable Specifications						
# of Conductors	Color Code	Wire AWG	Voltage Rating	Length	Insulation Material	Part Number
2	1-Black 2-White	16	600V	100 FT	PVC	MUR-2CBL-C
3	1-Green/Yellow 2-Black 3-White	16	600V	100 FT	PVC	MUR-3CBL-C
		16	600V	100 FT	TPE	MURW-3CBL-C
		18	300V	100 FT	PVC	MUR-3CBLX-C
4	1-Black 2-White 3-Red 4-Green/Yellow	16	600V	100 FT	PVC	MUR-4CBL-C
		18	300V	100 FT	PVC	MUR-4CBLX-C
5	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black	16	600V	100 FT	PVC	MUR-5CBL-C
		16	600V	100 FT	TPE	MURW-5CBL-C
		18	300V	100 FT	PVC	MUR-5CBLX-C
6	1-White 2-Red 3-Green/Yellow 4-Orange 5-Black 6-Blue	16	600V	100 FT	PVC	MUR-6CBL-C
		18	300V	100 FT	PVC	MUR-6CBLX-C

Cables & Specifications MUR Series Size II

MUR Series Size II Cable Specifications					
# of Conductors	WIRE AWG	Voltage Rating	Insulation Material	UL STYLE	O.D.
6	18	300	PVC	AWM 2661	0.32″
6	18	300	PUR	UL 20233	0.32″
7	18	300	PVC	AWM 2661	0.32″
7	18	300	PUR	UL 20233	0.32″
8	18	300	PVC	AWM 2661	0.35″
8	18	300	PUR	UL 20233	0.35″

MUR Series Size II Accessory Cable						
# of Conductors	Color Code	Wire AWG	Voltage Rating	Length	Insulation Material	Part Number
6	Orange Blue Black White Red Green/Yellow	18	300V	100 FT	PVC	MUR-6CBLX2-C
		18	300V	100 FT	PUR	MURP-6CBLX2-C
7	White w/ Black Black White Red Orange Blue Green/Yellow	18	300V	100 FT	PVC	MUR-7CBLX2-C
		18	300V	100 FT	PUR	MURP-7CBLX2-C
8	Orange Blue White w/ Black Black White Red Green/Yellow Red w/ Black	18	300V	100 FT	PVC	MUR-8CBLX2-C
		18	300V	100 FT	PUR	MURP-8CBLX2-C

Cables & Specifications MUR Series Size III

MUR Series Size III Cable Specifications					
# of Conductors	WIRE AWG	Voltage Rating	Insulation Material	UL STYLE	O.D.
9	18	300	PVC	AWM 2661	0.38"
9	18	300	PUR	UL 20233	0.38"
10	18	300	PVC	AWM 2661	0.40"
10	18	300	PUR	UL 20233	0.40"
12	18	300	PVC	AWM 2661	0.41"
12	18	300	PUR	UL 20233	0.41"
19*	18 & 22	300	PUR	UL 20233	0.44"

MUR Series Size III Accessory Cable						
# of Conductors	Color Code	Wire AWG RATING	Voltage Rating	Length	Insulation Material	Part Number
9	1-Orange 2-Blue 3-Red w/ Black 4-Green w/ Black 5-White 6-Red 7-Green/Yellow 8-White w/ Black 9-Black	18	300V	100 FT	PVC	MUR-9CBLX-C
		18	300V	100 FT	PVC	MURP-9CBLX-C
10	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black 7-Red 8-Green/Yellow 9-Black 10-White	18	300V	100 FT	PVC	MUR-10CBLX-C
		18	300V	100 FT	PUR	MURP-10CBLX-C
12	1-Orange 2-Blue 3-White w/ Black 4-Red w/ Black 5-Green w/ Black 6-Orange w/ Black 7-Blue w/ Black 8-Black w/ White 9-Green/Yellow 10-Red 11-White 12-Black	18	300V	100 FT	PVC	MUR-12CBLX-C
		18	300V	100 FT	PUR	MURP-12CBLX-C
19	1-Violet 2-Red 3-Gray 4-Red w/ Blue 5-Blue 6-Green 7-Brown 8-White w/ Green 9-White w/ Yellow 10-White w/ Gray 11-Black 12-Green/Yellow 13-Yellow w/ Brown 14-Brown w/ Green 15-White 16-Yellow 17-Pink 18-Gray w/ Brown 19-Gray w/ Pink	18/3 & 22/16	300V	100 FT	PUR	MURP-19CBL-C

ᵗ19 Conductor Cable has a foil shield. **For the 19 Pin, blue, brown, and green/yellow wires are 18 AWG.º

NOTES:

NOTES:

NOTES:

MURR ELEKTRONIK
stay connected



From the control cabinet...

- Power supply
- Interference suppression
- Processing



...via the interface...

- Service
- Permanently conducted and connected



...passive or...

- Connect
- Distribute



...active into the field

- IP20
- IP67
- AS-Interface

Comments:

By releasing this catalog all information/details from previous brochures and catalogs will expire.

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7/8 MINI Connector | 01_10 | Art.-No. US-MURSERIES

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