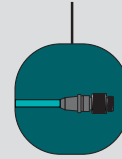


# Double-Ended Cordsets

- Threaded Micro-Change® (M12) Cordsets

A range of shielded and unshielded overmolded cordsets are available for connecting Micro-Change (M12) Ethernet system components in harsh industrial environments. Utilizing the proven M12 form factor provides rugged, vibration and shock-resistant IP67 connection and a small, familiar profile. D-coding ensures alignment and prevents improper mating with other M12 connectors.

A de-coupled option is also available.



- Familiar, proven M12 form factor provides robust connection
- Category 5e compliant
- De-coupled cordsets available
- IP67 rated, perfect for harsh industrial environments
- D-Coded to ensure proper alignment/mating



## Double-Ended Cordsets

FACE VIEWS (STRAIGHT-WIRED)	<p>FEMALE</p>	<p>MALE</p>	<p>STRAIGHT-WIRED</p>
	<p>CROSSOVER-WIRED</p>	<p>CABLE CODE 03 &amp; 15: 1- ORANGE (TD+) 2- BLUE (RD+) 3- ORANGE/WHITE (TD-) 4- BLUE/WHITE (RD-)</p> <p>CABLE CODE 10: 1- YELLOW (TD+) 2- WHITE (RD+) 3- ORANGE (TD-) 4- BLUE (RD-)</p>	

	FIG	CORDSETS WITH UNSHIELDED PVC CABLE	DESCRIPTION
MALE STRAIGHT/MALE STRAIGHT	1/1	E11A06003Mxxx	STRAIGHT-WIRED
MALE STRAIGHT/MALE 90°	1/2	E11A06203Mxxx	STRAIGHT-WIRED
MALE 90°/MALE 90°	2/2	E11A06303Mxxx	STRAIGHT-WIRED
MALE STRAIGHT/FEMALE STRAIGHT	1/3	E11B03003M002	CROSSOVER-WIRED
FEMALE STRAIGHT/MALE RJ45	3/4	E16A03003Mxxx	M12-TO-RJ45 PATCHCORD
MALE RJ45/MALE RJ45	4/4	E66A06003Mxxx	RJ45/RJ45 10 BASE T PATCHCORD
	FIG	CORDSETS WITH SHIELDED PVC CABLE	DESCRIPTION
MALE STRAIGHT/MALE STRAIGHT	1/1	E11A06015Mxxx E11A06015MxxxD	STRAIGHT-WIRED STRAIGHT-WIRED, DECOUPLED
MALE STRAIGHT/MALE 90°	1/2	E11A06215Mxxx	STRAIGHT-WIRED
MALE 90°/MALE 90°	2/2	E11A06315Mxxx E11A06315MxxxD	STRAIGHT-WIRED STRAIGHT-WIRED, DECOUPLED
MALE STRAIGHT/FEMALE STRAIGHT	1/3	E11B03015M002	CROSSOVER-WIRED
	FIG	CORDSETS WITH SHIELDED PUR CABLE*	DESCRIPTION
MALE STRAIGHT/MALE STRAIGHT	1/1	E11A06010Mxxx	STRAIGHT-WIRED
MALE STRAIGHT/MALE 90°	1/2	E11A06210Mxxx	STRAIGHT-WIRED
MALE 90°/MALE 90°	2/2	E11A06310Mxxx	STRAIGHT-WIRED
MALE STRAIGHT/FEMALE STRAIGHT	1/3	E11B03010M002	CROSSOVER-WIRED

\*PROFINET compliant

Use the following chart to modify your part's specifications.

# E11Axxx10Mxxx

### ORIENTATION

MALE STRAIGHT/MALE STRAIGHT	=	060
MALE STRAIGHT/MALE 90°	=	062
MALE 90°/MALE 90°	=	063

### CABLE OPTIONS

UNSHIELDED STRANDED PVC	..	03
SHIELDED STRANDED PVC	..	15
SHIELDED STRANDED PUR	..	10

### STANDARD LENGTH\*

0.6 METER	.....	006
1 METER	.....	010
2 METER	.....	020
3 METER	.....	030
4 METER	.....	040
5 METER	.....	050
10 METER	.....	100

\* Please call for availability of non-standard lengths

	UNSHIELDED PVC	SHIELDED PVC	SHIELDED PUR
<b>MECHANICAL</b>			
CONNECTOR FACE:		PUR	
MOLDED BODY:		PUR (BLACK)	
COUPLING NUT:		NICKEL-PLATED BRASS	
<b>CABLE</b>			
CONDUCTORS:	4 / 24AWG STRANDED TINNED WIRE	4 / 24AWG STRANDED TINNED WIRE	4 / 22AWG STRANDED TINNED WIRE
OUTSIDE DIAMETER (NOM):	5.6mm	6.1mm	6.5mm
JACKET MATERIAL:	PVC (TEAL)	PVC (TEAL)	PUR (GREEN)
INNER MATERIAL INSULATION:	HDPE	FOAMED POLYPROPYLENE	FRNC
SHIELD TYPE:	N/A	FOIL SHIELD, 100% COVERAGE, 25% MIN OVERLAP	FOIL SHIELD: 100% COVERAGE BRAID SHIELD: 85% COVERAGE
CERTIFICATION:	UL CMR (PENDING)	UL CMR (PENDING)	UL LISTED CMX
<b>ELECTRICAL</b>			
TIA/EIA RATING:		CAT5E	
UL:		CL2	
<b>ENVIRONMENTAL</b>			
PROTECTION:	IP67. SUN/OIL RESISTANT (PENDING)	IP67. SUN/OIL RESISTANT (PENDING)	IP67. SUN/OIL RESISTANT
OPERATING TEMPERATURE:		-20°C TO 75°C	

## CONNECTOR DIMENSIONS

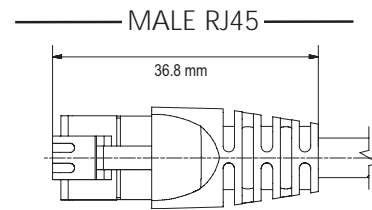
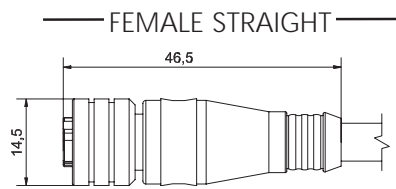
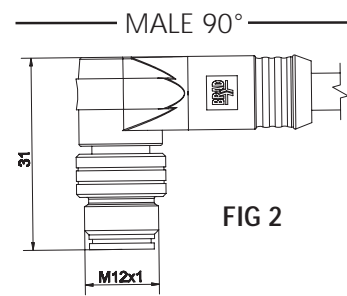
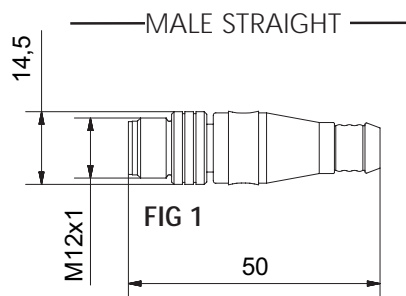


FIG 3

FIG 4

For product & technical information visit [www.woodhead.com/eCatalog](http://www.woodhead.com/eCatalog)