

Profinet - M8-M12 Double-ended Pre-wired Cable

Double-ended M8-M12 Pre-wired Cable

Cat 5e, 100Mbit/, 4-pin, IP67->IP20

Support: EtherCAT EtherNet/IP

Apply to: Connection of panel and cabinet.



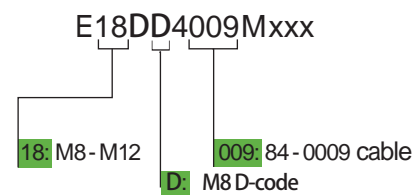
Technical Data

Material	
Circular Cordsets	PUR
Contact	Gold plated
Connecting Nut/Bolt	Nickel plated brass
Cable	For details, see cable list.
Operating Voltage	60V (30V UL)
Operating Current	4A
Conductor	2x2x26 AWG, shielded twisted pair
TIA/EIA Grade	Cat5e
Certificate	CE, UL
Protection Class	IP67
Ambient Temperature	-30...+80 °C
Mechanical Life	>10

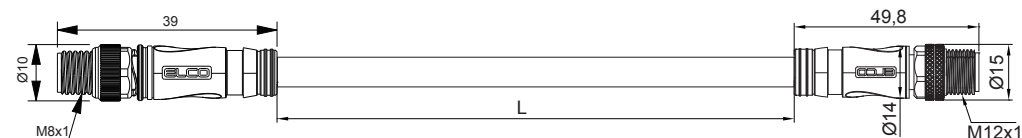
Type List

Pin Assignment				
Diagram 1	Diagram 2	Cable material	Specification	Type
 1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	 1-Yellow(TD) 2-White(RD+) 3-Blue(RD-) 4-Orange(TD-)	PUR	26 AWG	E18DD4009M020
		PUR	26 AWG	E18DD4009M050
		PUR	26 AWG	E18DD4009M100

Order Code



Dimensions



Profinet - M8-M8 Double-ended Pre-wired Cable

Double-ended M8-M8 Pre-wired Cable

Cat 5e, 100Mbit/S, 4-pin, IP67->IP20

Support: EtherCAT EtherNet/IP POWERLINK sercos

Apply to: Connection of panel and cabinet.



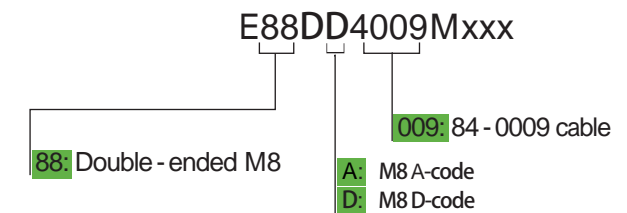
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Mechanical Life	>100

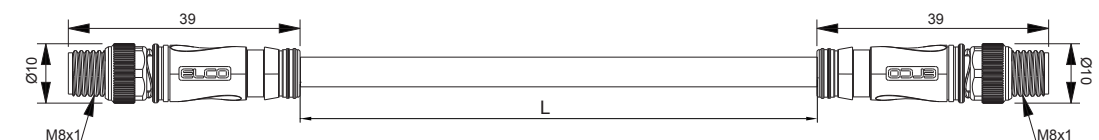
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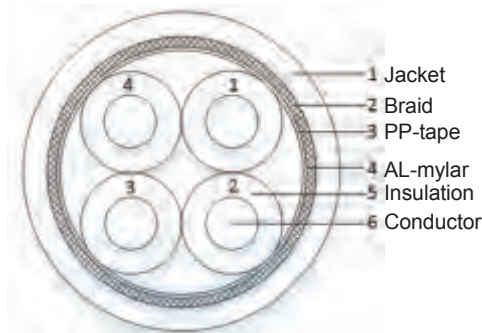
Order Code



Dimensions



ProfiNet Cable



Color code	Color	Core
WH		1
YE		2
BU		3
OR		4

Type List	L200/E450	L300/E450	L500/E450
Specification	200m/reel	300m/reel	500m/reel

Technical parameters			
Description		Physical characteristics	
Rated temperature	80 C	Construction	S/FTQ
Reference standard	UL 758	Number of Core	4C
Product standard certification	UL STYLE 20233	AWG/Size	26 AWG
Flame test	VW-1	Conductor material	Stranded Tinned copper
	Stranded Tinned copper conductor	Conductor dimension	19/0.1±0.02 mm
	Colour-coded PE insulation	Insulation material	PE
	PU jacket	Insulation dimension	0.98±0.1 mm
Packaging	Per customer request	Cabling structure	4C
Application	Profinet	PP-tape	YES
	100 Base-Tx	PP-tape overlapping	>=25%
Mechanical characteristics		Primary overall shield AL-mylar	YES
Operating temperature range	-40 C ~ +80 C	Primary overall shield overlapping	25%
Outer jacket tensile strength	≧ 10.3 MPa	Primary overall shield braid&material	Tinned copper
Outer jacket elongation	≧ 100%	Shield coverage Nom	85%
Outer jacket aging condition	113 ±2 C x 168 hrs	Tape	Optional
After aging, Tensile strength variation	>= 70%	Outer jacket material	PU
After aging, Elongation variation	>= 45%	Outer jacket thickness (nom.)	0.80 mm
Electrical characteristics		Overall nominal dimension	4.9 ± 0.3 mm
Nom. mutual capacitance	≦ 51 pF/m (800Hz)	Outer jacket rip cord	N/A
Pair to ground capacitance unbalance	≦ 340 pF/100m	Outer jacket colour	Per request
Nominal velocity of propagation	65%		
Max. conductor DC resistance	145Ω/km (@ 20°C)		
Max. conductor resistance unbalance	3% (@ 20°C)		
Min. insulation resistance	150 MQ•KM		
Max. operating voltage - UL	300 V		
Dielectric strength	1,0 kV d.c. or 0,7 kV a.c. for 1 min, or 2,5 kV d.c. or 1,7 kV a.c. for 2 s		