

DeviceNet/CanOpen

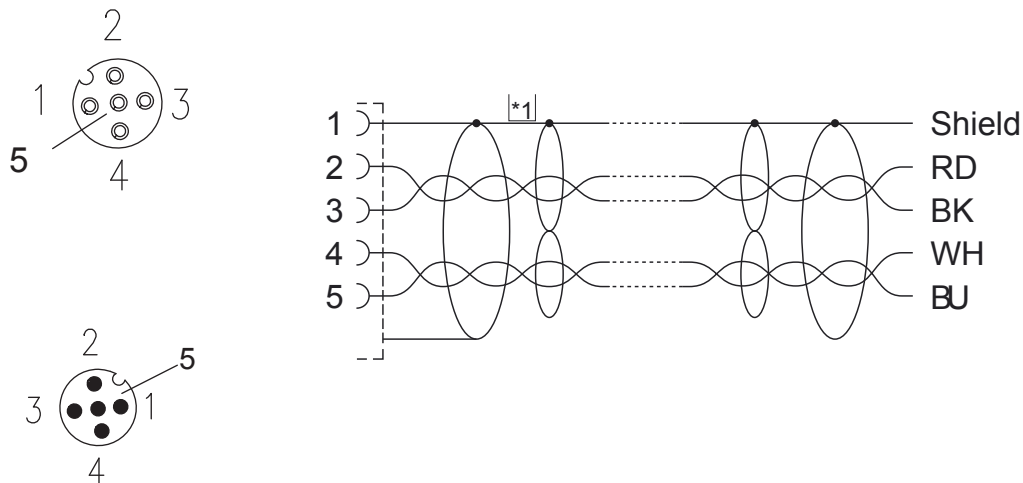
■ Double-ended



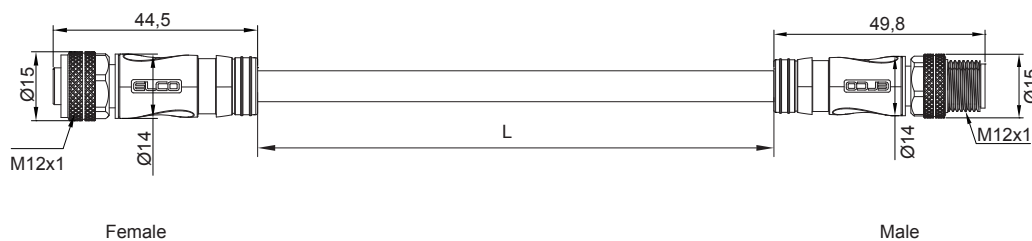
Type code

Product appearance	No.	Type
Straight Female-Male	1	DND22D-M050
	2	DND22D-M100

Wiring diagram



Dimensions



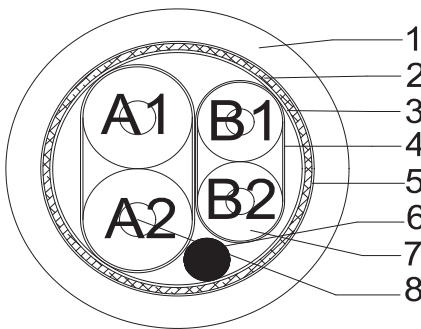
Lieferbare Varianten

A %&? UYXcgY! cZZYbYg? UY YbXY! @ b[YVY]YV[[
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A %&:A %&:JYfV]bXi b[g`Y]hi b[Yb!`5i gZ \ fi b[`i bX` @ b[YVY]YV[[

Description

- Rated temperature: 80°C
- Reference standard: UL 758
- Product standard certification:UL758
- Flame test: IEC 60332-1
- Stranded Tinned copper conductor
- Colour-coded PE insulation
- PUR Jacket
- Packaging: Per customer request

Product figure



1	Jacket
2	Braid
3	AL-pet-AL
4	AL-pet
5	Tape
6	Drain
7	Insulation
8	Conductor

Core colour:

A1: white A2:blue B1:Red B2:Black

Physical characteristics

Structure	Construction	1P (A)	1P(B)	
Conductor	Number of cores	2	2	
	AWG	24	22	
	Conductor material	Stranded Tinned Copper		
	Conductor structure	30/0.10mm	42/0.10mm	
	Conductor dimension nom	0.63 mm	0.75mm	
Insulation	Insulation material	Foam PE	PE	
	Insulation dimension	1.90±0.10mm	1.4±0.10mm	
	Thickness nom	0.50mm	0.28mm	
Twisting	Twisted pair	YES	YES	
Shield	Primary individual shield & material	AL/Polyester	AL/Polyester	
	Drain wire	19/0.16 Tinned copper		
	tape	YES		
Shield	First overall shield & material	AL/Polyester/AL		
	Secondary overall shield & material	Tinned copper braid		
	Shield coverage Nom.	80%		
	Tape	YES(Optional)		
	Outer jacket	Outer jacket material	PUR	
Outer jacket	Nom Thickness	0.76mm		
	Outer jacket Dia.	6.60±0.3mm		
	Outer jacket Color	Violet		
	Mechanical characteristics	Operating temperature range	-40 °C ~ +80 °C	
Mechanical characteristics	Installing temperature range	-20 °C ~ +60 °C		
	Outer jacket tensile strength	≥10.3 Mpa		
	Outer jacket elongation	≥100%		
	Outer jacket aging condition	113±2 °C x 168 hrs		
	After aging, Tensile strength	≥70% of Unaging		
	After aging, Elongation	≥65% of Unaging		
	Oil resistance:	IRM902, 90 °C x 24h		
	Drag chain test	S=1m,30cycles/min, R=10XOD, >=5millions		
	Electrical characteristics	Max. conductor DC resistance	94.2 Ω / km (A)	59.4 Ω / km (B)
		Min insulation resistance	5000 MΩ · Km (@ 20 °C)	
Dielectric strength		AC 1.5kv/min		
Flame test		IEC 60332-1		
Fitted characteristic impedance (A)		120± 15Ω (1~10MHz)		
Voltage rating		300V		
Mutual capacitance (core to core)		39.8pf/m @1khz nom		
Mutual capacitance (core to shield)		78 pf/m @1khz nom		
Attenuation (A)		<=1.85dB/100M (500KHz)		
		<=2.40 dB/100M (1MHz)		