

DATA CONNECTORS AND CABLES

Cable Series



One pair of data cables
one pair of power cables



One pair of data cables
one pair of power cables



Technical parameters

	Grey PVC 2x18AWG+2x15AWG DeviceNet	Grey PVC 2x24AWG+2x22AWG DeviceNet
Transmission characteristics (category)		
Sheath		
Outer sheath, material	Polyvinyl chloride (PVC)	Polyvinyl chloride (PVC)
Outer sheath, color	Grey	Grey
Cable diameter D	12.2 mm ± 0.3 mm (0.480 ± 0.012 in)	6.9mm ± 0.3 mm (0.272 ± 0.012 in)
Application		
Cable structure	2x18AWG+2x15AWG	2x24AWG+2x22AWG
Installation type	Fixed installation	Fixed installation
AWG, signal line	18/15	24/22
Advantage	Thick cable	Thick cable
Cable length	100M	100M
Conductor		
Wire structure	19x 0.25 mm	19x 0.34 mm
Diameter of bare copper wire	1.3 mm (0.051 in)	1.7 mm (0.067 in)
Wire material	Copper stranded wire	Copper stranded wire
Wire insulation material	Foamed PE with outer insulation	PVC insulating layer
Core diameter (including insulation layer)	3.8mm (0.150 in)	2.7mm (0.106 in)
Core wire		
Digit number	4	4
Main twisted pair		
Wire color		
Inner sheath material		
Shielding layer		
Block	Tin-plated copper wire braided shielding layer	Tin-plated copper wire braided shielding layer
Thickness	0.13mm (0.005 in)	0.13mm (0.005 in)
Characteristics		
Flame retardant	In line with UL 1685 (CSA FT 4)	In line with UL 1685 (CSA FT 4)
Oil resistance	In line with UL 13 Sec.40 (60°C)	In line with UL 13 Sec.40 (60°C)
Cold-resistant bending		
UV-resistant	In line with UL 2556 Sec. 4.2.8.5	In line with UL 2556 Sec. 4.2.8.5
Halogen-free		

Order data

	Model	Order Number	Model	Order Number
100m	DN-8BO-PGOE/L0100	1341170100	DN-8BO-PSOE/L0100	1341180100
Customizable	DN-8BO-PGOE/L0000	1321170000	DN-8BO-PSOE/L0000	1341180000





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purple FRNC 2x18AWG+2x15AWG DeviceNet		purple FRNC 2x24AWG+2x22AWG DeviceNet		Grey PVC 2x18AWG+2x15AWG DeviceNet	
Thermoplastic copolymer (FRNC) purple 12.2mm ±0.3 mm(0.480±0.012 in)		Thermoplastic copolymer (FRNC) purple 6.9mm ±0.3 mm(0.272±0.012 in)		Polyvinyl chloride (PVC) Grey 12.2 mm ±0.3 mm(0.480±0.012 in)	
2x18AWG+2x15AWG Fixed installation 18/15 Thick cable 100M		2x24AWG+2x22AWG Fixed installation 24/22 Thick cable 100M		2x18AWG+2x15AWG Flexible installation 18/15 High-flexibility, thick cables 100M	
19x 0.25mm 1.3mm(0.051 in) Copper stranded wire Foamed PE with outer insulation 3.8mm(0.150 in)	19x 0.34 mm 1.7 mm(0.067 in) Copper stranded wire PE insulating layer 2.7mm(0.106 in)	19x 0.13mm 0.67mm(0.026 in) Copper stranded wire Foamed PE with outer insulation 1.9mm(0.075 in)	19x 0.16 mm 0.75 mm(0.030 in) Copper stranded wire PE insulating layer 1.4mm(0.055 in)	40x 0.18 mm 1.3 mm(0.051 in) Copper stranded wire Foamed PE with outer insulation 3.8mm(0.150 in)	84x 0.16 mm 1.7 mm(0.067 in) Copper stranded wire PVC insulating layer 2.7mm(0.106 in)
4 One pair of data cables one pair of power cables		4 One pair of data cables one pair of power cables		4 One pair of data cables one pair of power cables	
Tin-plated copper wire braided shielding layer 0.13mm(0.005 in)		Tin-plated copper wire braided shielding layer 0.13mm(0.005 in)		Conductive plastic tape with tin-plated copper wire braided shielding layer 0.13mm(0.005 in)	
In line with UL 1685 (CSA FT 4)		In line with IEC 60332-1-2		In line with UL 1685 (CSA FT 4) In line with UL 13 Sec.40 (60°C)	
In line with UL 2556 In line with IEC60754		In line with UL 2556 Sec. 4.2.8.5 In line with IEC 60754		In line with UL 2556 Sec. 4.2.8.5	
Model	Order Number	Model	Order Number	Model	Order Number
DN-8BR-FGOE/L0100	1343190100	DN-8BR-FSOE/L0100	1343200100	DN-8BO-PROE/L0100	1341210100
DN-8BR-FGOE/L0000	1343190000	DN-8BR-FSOE/L0000	1343200000	DN-8BO-PROE/L0000	1341210000



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Technical parameters

	Grey PVC 2x24AWG+2x22AWG DeviceNet	purple TPU 2x18AWG+2x15AWG DeviceNet
Transmission characteristics (category)		
Sheath		
Outer sheath, material	Polyvinyl chloride (PVC)	Thermoplastic polyurethane (TPU)
Outer sheath, color	Grey	purple
Cable diameter D	6.9mm ± 0.3 mm (0.272 ± 0.012 in)	12.2mm ± 0.3 mm (0.480 ± 0.012 in)
Application		
Cable structure	2x24AWG+2x22AWG	2x18AWG+2x15AWG
Installation type	Flexible installation	Flexible installation
AWG, signal line	24/22	18/15
Advantage	High-flexibility, thin cables	High flexibility
Cable length	100M	100M
Conductor		
Wire structure	19x 0.13 mm	40x 0.18mm
Diameter of bare copper wire	0.67mm(0.026 in)	1.3mm(0.051 in)
Wire material	Copper stranded wire	Copper stranded wire
Wire insulation material	Foamed PE with outer insulation	Foamed PE with outer insulation
Core diameter (including insulation layer)	1.9mm(0.075 in)	3.8mm(0.150 in)
Core wire		
Digit number	4	4
Main twisted pair		
Wire color		
Inner sheath material		
Shielding layer		
Block	Conductive plastic tape, tin-plated copper wire braided shielding layer	Conductive plastic tape, tin-plated copper wire braided shielding layer
Thickness	0.13mm(0.005 in)	0.13mm(0.005 in)
Characteristics		
Flame retardant	In line with UL 1685 (CSA FT 4)	In line with UL 1685 (CSA FT 4)
Oil resistance	In line with UL 13 Sec.40 (60°C)	In line with UL 13 Sec.40 (60°C)
Cold-resistant bending		
UV-resistant	In line with UL 2556 Sec. 4.2.8.5	In line with UL 2556 Sec. 4.2.8.5
Halogen-free		In line with IEC 60754

Order data

	Model	Order Number	Model	Order Number
100m	DN-8BO-PVOE/L0100	1341220100	DN-8BR-FROE/L0100	1341230100
Customizable	DN-8BO-PVOE/L0000	1341220000	DN-8BR-FROE/L0000	1341230000





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Technical parameters

	purple TPU 2x24AWG+2x22AWG	
Transmission characteristics (category)	DeviceNet	
Sheath		
Outer sheath, material	Thermoplastic polyurethane (TPU)	
Outer sheath, color	purple	
Cable diameter D	6.9mm ± 0.3 mm (0.272 ± 0.012 in)	
Application		
Cable structure	2x24AWG+2x22AWG	
Installation type	Flexible installation	
AWG, signal line	24/22	
Advantage	High-flexibility, thin cables	
Cable length	100M	
Conductor		
Wire structure	19x 0.13mm	19x 0.16 mm
Diameter of bare copper wire	0.67mm (0.026 in)	0.75 mm (0.030 in)
Wire material	Copper stranded wire	Copper stranded wire
Wire insulation material	Foamed PE with outer insulation	PE insulating layer
Core diameter (including insulation layer)	1.9mm (0.075 in)	1.4mm (0.055 in)
Core wire		
Digit number	4	
Main twisted pair		
Wire color	One pair of data cables one pair of power cables	
Inner sheath material		
Shielding layer	Conductive plastic tape, tin-plated copper wire	
Block	braided shielding layer	
Thickness	0.13mm (0.005 in)	
Characteristics		
Flame retardant	In line with UL 1685 (CSA FT 4)	
Oil resistance	In line with UL 13 Sec.40 (60°C)	
Cold-resistant bending		
UV-resistant	In line with UL 2556 Sec. 4.2.8.5	
Halogen-free	In line with IEC 60754	

Order data

	Model	Order Number
100m	DN-8BR-PTOE/L0100	1343240100
Customizable	DN-8BR-PTOE/L0000	1343240000

