

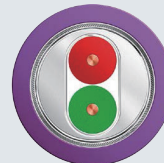
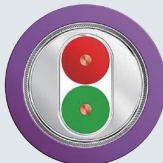
DATA CONNECTORS AND CABLES

Cable Series



Two wires twisted together to form a pair

Two wires twisted together to form a pair



Technical parameters

Transmission characteristics (category)	Purple PVC 2x22AWG/1; 1x 0.64 mm PROFIBUS DP ES	Purple FRNC 2x22AWG/1; 1x 0.64 mm PROFIBUS DP ES
Sheath		
Outer sheath, material	Polyvinyl chloride (PVC)	Thermoplastic copolymer (FRNC)
Outer sheath, color	purple	purple
Cable diameter D	8.0 mm ± 0.4 mm (0.315 \pm 0.016 in)	8.0 mm ± 0.4 mm (0.315 \pm 0.016 in)
Application		
Cable structure	2x22AWG/1	2x22AWG/1
Installation type	Fixed installation	Fixed installation
AWG, signal line	22	22
Advantage	Easy to peel	Easy to peel
Cable length	100 M	100 M
Conductor		
Wire structure	1x 0.64 mm	1x 0.64 mm
Diameter of bare copper wire	0.64 mm (0.025 in)	0.64 mm (0.025 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)	2.55mm (0.100 in)	2.55mm (0.100 in)
Core wire		
Digit number	Two people	Two people
Main twisted pair	Two wires twisted together to form a pair	Two wires twisted together to form a pair
Wire color	Red, green	Red, green
Inner sheath material	PVC	FRNC
Shielding layer		
Block	Aluminum foil coating, tin-plated copper wire braided shielding layer	Aluminum foil coating, tin-plated copper wire braided shielding layer
Thickness	0.15mm (0.006 in)	0.15mm (0.006 in)
Characteristics		
Flame retardant	In line with IEC 60332-3-24	In line with IEC 60332-3-24
Oil resistance		Limited oil resistance
Cold-resistant bending	In line with IEC 60811-1-4	In line with UL 2556 Sec. 4.2.8.5
UV-resistant	In line with UL 2556 Sec. 4.2.8.5	In line with IEC 60754
Halogen-free		

Order data

	Model	Order Number	Model	Order Number
100m	DP-8BP-POE/L0100	1321010100	DP-8BP-FCOE/L0100	1321020100
Customizable	DP-8BP-POE/L0000	1321010000	DP-8BP-FCOE/L0000	1321020000





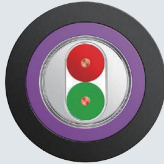
Two wires twisted together to form a pair



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Two wires twisted together to form a pair



black PE 2x22AWG/1; 1x 0.64 mm
PROFIBUS DP ES

Polyethylene (PE)
black
10.8 ± 0.5 mm (0.425 ± 0.020 in)

2x22AWG/1

22
It can be directly buried underground (easy to peel)
100 M

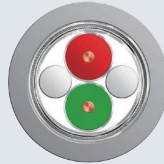
1x 0.64 mm
0.64 mm(0.025 in)
Copper stranded wire
Foamed PE with outer insulation
2.55mm(0.100 in)

Two
Two wires twisted together to form a pair
Red, green
The inner sheath is PVC and the outer sheath is PE
Aluminum foil coating, tin-plated copper wire braided
shielding layer
0.15mm(0.006 in)

Resistant to mineral oil and grease
It has good cold bending resistance
UV-resistant

Model Order Number

DP-8BP-PBOE/L0100 1321030100
DP-8BP-PBOE/L0000 1321030000



Grey FRNC 2x22AWG/1; 1x 0.64 mm
PROFIBUS DP

Thermoplastic copolymer (FRNC)
Grey
8.8 mm ± 0.4 mm(0.346 ± 0.016 in)

2x22AWG/1

Fixed installation
22
The insulation integrity lasts for 90 minutes in the
event of a fire
100M

1x 0.64 mm
0.64 mm(0.025 in)
Copper stranded wire
Foamed PE with outer insulation
2.55mm(0.100 in)

Two
Two wires are twisted together in pairs, with fillers in
the gaps
Red, green

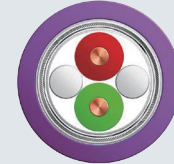
Aluminum foil coating, tin-plated copper wire braided
shielding layer, fire-resistant foil coating (2.75mm)
0.15mm(0.006 in)

In line with IEC 60331-21

Halogen-free

Model Order Number

DP-8BP-FGOE/L0100 1321040100
DP-8BP-FGOE/L0000 1321040000



purple FEP 2x22AWG/1; 1x 0.64 mm
PROFIBUS DP

Perfluoroethylene-propylene copolymer (FEP)
purple
7.2 mm ± 0.25 mm(0.283 ± 0.010 in)

2x22AWG/1

Fixed installation
22
The high-temperature range can reach up to 180°C
100M

1x 0.64 mm
0.64 mm(0.025 in)
Copper stranded wire
Foamed FEP insulation
2.55mm(0.100 in)

TWO
Two wires twisted together to form a pair
Red, green

Aluminum foil coating, tin-plated copper wire braided
shielding layer
0.15mm(0.006 in)

Good oil resistance
UV-resistant

Model Order Number

DP-8BP-FEOE/L0100 1321050100
DP-8BP-FEOE/L0000 1321050000



DATA CONNECTORS AND CABLES

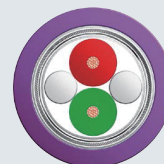
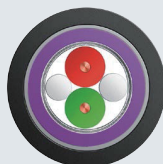
Cable Series



Two wires twisted together to form a pair



Two wires twisted together to form a pair



Technical parameters

	black PE 2x22AWG/1; 1x 0.64 mm PROFIBUS DP	purple TPU 2x22AWG/19; 19x 0.16 mm PROFIBUS DP-Desina
Transmission characteristics (category)		
Sheath		
Outer sheath, material	Polyethylene (PE)	Polyethylene (TPU)
Outer sheath, color	black	purple
Cable diameter D	10.8 ± 0.5 mm (0.425 ± 0.020 in)	8.0 mm ± 0.4 mm (0.315 ± 0.016 in)
Application		
Cable structure	2x22AWG/1	2x22AWG/19
Installation type	Fixed installation	Fixed installation
AWG, signal line	22	22
Advantage	Rat-proof	Used for torque applications
Cable length	100M	100M
Conductor		
Wire structure	1x 0.64 mm	19x 0.16 mm
Diameter of bare copper wire	0.64 mm (0.025 in)	0.8 mm (0.031 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)	2.55mm (0.100 in)	2.56mm (0.101 in)
Core wire	TWO	TWO
Digit number	Two wires are twisted together in pairs, with fillers in the gaps	Two wires are twisted together in pairs, with fillers in the gaps
Main twisted pair	Red, green	Red, green
Wire color	Red, green	Red, green
Inner sheath material	Inner sheath PVC	FRNC
Shielding layer	Aluminum foil cladding, tin-plated copper wire braided shielding layer, 2 layers of galvanized steel strip, lap	Two layers of conductive plastic tape, tin-plated copper wire braided shielding layer
Block	wound wrapping tape	0.15mm (0.006 in)
Thickness	0.15mm (0.006 in)	
Characteristics		
Flame retardant		Complies with IEC 60332-1-2
Oil resistance		Complies with UL 13 Sec.40 (60°C)
Cold-resistant bending	Limited resistance to mineral oil and grease	
UV-resistant		Uv protection
Halogen-free	UV-resistant	Complies with IEC 60754

Order data

	Model	Order Number	Model	Order Number
100m	DP-8BP-FEOE/L0100	1321060100	DP-8BP-PTOE/L0100	1321070100
Customizable	DP-8BP-FEOE/L0000	1321060000	DP-8BP-PTOE/L0000	1321070000





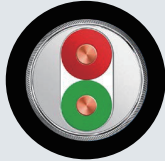
Two wires twisted together to form a pair



Two wires twisted together to form a pair



Two wires twisted together to form a pair



black PVC 2x18AWG/1; 1x 1.05 mm
PROFIBUS PA ES

Polyvinyl chloride (PVC)
black
8.0 mm ± 0.4 mm (0.315 \pm 0.016 in)

2x18AWG/1
Fixed installation
18
Easy to peel
100M

1x 1.05 mm
1.05 mm (0.041 in)
Copper stranded wire
Foamed PE with outer insulation
2.55mm (0.100 in)

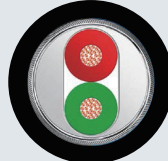
TWO
Two wires twisted together to form a pair
Red, green
PVC

Aluminum foil coating, tin-plated copper wire braided
shielding layer
0.15mm (0.006 in)

In line with IEC 60332-1-2
In line with UL 13 Sec. 40 (60°C)

In line with UL 2556 Sec. 4.2.8.5

Model	Order Number
PA-8BA-PGOE/L0100	1329080100
PA-8BA-PGOE/L0000	1329080000



black PVC 2x18AWG/19; 19x 0.26 mm
PROFIBUS PA ES

Polyvinyl chloride (PVC)
black
8.0 mm ± 0.3 mm (0.315 \pm 0.012 in)

2x18AWG/19
Flexible installation
18
Easy to peel
100M

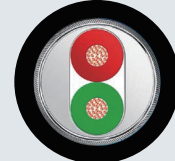
19x 0.26 mm
1.3 mm (0.049 in)
Copper stranded wire
Foamed PE with outer insulation
2.55mm (0.100 in)

TWO
Two wires twisted together to form a pair
Red, green
PVC

Tin-plated copper wire braided shielding layer
0.15mm (0.006 in)

In line with IEC 60332-1-2

Model	Order Number
PA-8BA-PROE/L0100	1329090100
PA-8BA-PROE/L0000	1329090000



black FRNC 2x18AWG/7; 7x 0.4 mm
PROFIBUS PA ES

Thermoplastic copolymer (FRNC)
black
8.0 mm ± 0.2 mm (0.311 \pm 0.008 in)

2x18AWG/7
Flexible installation
18
Easy to peel
100M

7x 0.4 mm
1.2 mm (0.047 in)
Copper stranded wire
Foamed PE with outer insulation
2.55mm (0.100 in)

TWO
Two wires twisted together to form a pair
Red, green
FRNC

Aluminum foil coating, tin-plated copper wire braided
shielding layer
0.15mm (0.006 in)

In line with IEC 60332-3-24

In line with UL 2556 Sec. 4.2.8.5
In line with IEC 60754

Model	Order Number
PA-8BA-FCOE/L0100	1329100100
PA-8BA-FCOE/L0000	1329100000

