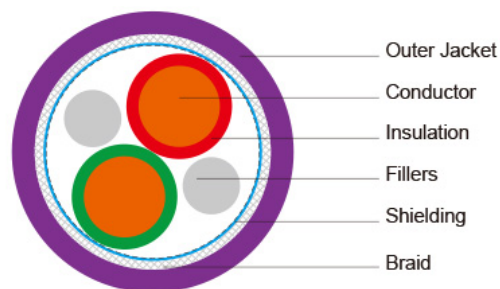


Profibus SK FRNC + Industry



Application:

The application of these Profibus SK cables are in the cell and field area, just as for conventional types. The great advantage of this new system is the quick connection of the cable to the respective plugs. This type of processing also avoids errors. The types mentioned here are suitable for indoor laying (special FRNC jacket) and heavy industry laying (PUR jacket).

Construction:

Type/Area of Application	Fixed Installation, Indoor/Heavy Duty
Cable Construction	1x2x0.64 mm
Inner Conductor Diameter 1	Copper, bare (AWG 22/1)
Conductor Insulation	Foam-skin-PE
Conductor Colors	red, green
Stranding Element	2 conductors + filler
Shielding 1	Polyester foil over stranded bundle
Shielding 2	Polyester foil, aluminum-lined
Total Shielding	Copper braid, tinned
Outer Jacket Material	FRNC/PUR
Outer Diameter	8.0 mm ± 0.4 mm
Outer Jacket Color	Violet

Electrical Data:

Characteristic Impedance @3-20MHz	150 Ω ± 10 Ω
Conductor Resistance	57.1 Ohm/km max.
Insulation Resistance	1.00 GOhm x km min.

Mutual Capacitance@1KHz	35.0 nF/km nom.		
Working Voltage	300 V		
Test Voltage	1.5 KV		
Attenuation:	9.6kHz	<	2.5dB/km
	38.4kHz	<	4dB/km
	4MHz	<	22dB/km
	16MHz	<	42dB/km

Technical Data:

Weight	approximately 73.0 kg/km	approximately 71.0 kg/km
Min. Bending Radius (Laying)	18 x OD mm	15 x OD mm
Operating Temp.Range, min.	- 25 °C	- 40 °C
Operating Temp.Range, max.	+60 °C	+70 °C