

PROFIBUS-DP flexible Cable

Standard PROFIBUS DP flexible cable for applications that have forced movement, like cable reels in which there is a frequent winding and unwinding with simultaneous tensile and torsion stress.

Cable type 1)	PROFIBUS DP flexible Cable
Applications	Universally Forced movement
Rated value	150 Ω
Loop resistance	133 Ω/km
Shield resistance	≤ 15 Ω/km
Effective capacitance at 1 kHz	approx. 28.5 nF/km
Operating voltage (rms value)	≤ 100 V
Cable type (standard designation)	02YSY (ST) CY 1 × 2 × 0.64/(24 AWG)
Jacket <ul style="list-style-type: none"> • Material • Diameter • Color 	PVC 8.0 ± 0.4 mm Blue
Perm. ambient conditions <ul style="list-style-type: none"> • Operating temperature • Transport/storage temperature • Installation temperature 	-40 ℃ … +60 ℃ -40 ℃ … +60 ℃ -40 ℃ … +60 ℃
Bending characteristics <ul style="list-style-type: none"> • bending cycles • acceleration • Minimum bending diameter • Bending radius 	Max 3 Million 5 m/s ² Single 5 x 15 x max diameter
Permissible tensile force	≤ 100 N
Weight	76 kg/km
Halogen-free	No
Behavior in fire	Flame-retardant to VDE 0482-266-2-4, IEC 60332-3-24
Resistance to mineral oils and grease	Limited resistance
UV-resistant	Yes
Silicone-free	Yes
Fast Connect cable installation	No