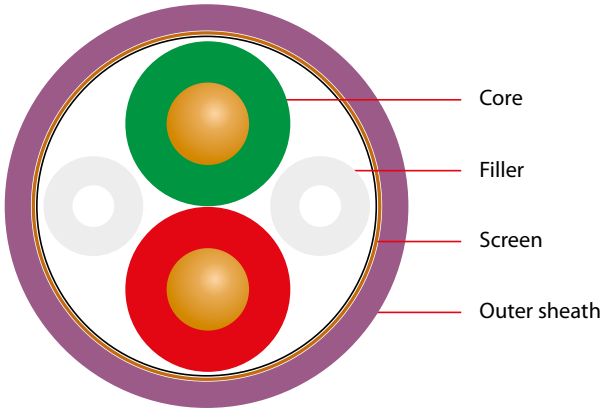
02YS(St)CY

acc. to DIN 19245 T3 and EN 50170
(acc. Profibus specification)



Dimension	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
1 x 2 x 0.64	7.5	54	25

APPLICATION

The cable can be used as connecting cable in general machinery construction. It is used as a connection cable between bus segments. Cost-efficient plant and machinery wiring is the great advantage of bus technology. Only the information-related component responds to the signal and processes it. The cable is appropriate for indoor installation.

CONSTRUCTION

Conductor: copper wire, solid, bare (AWG 22/1)
Core insulation: Foam-Skin PE
Core identification: red, green
Core stranding: 2 cores and 2 filling cores stranded
Lapping: plastic foil
Screen: Al/PETP compound foil; tinned copper wire braid; optical coverage approx. 80%
Outer sheath: PVC; colour: violet RAL 4001

ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	115 Ω/km
Insulation resistance min.	1 GΩ x km
Characteristic impedance (3 - 20MHz)	150 ± 15 Ω
Mutual capacitance nom.	30 nF/km
Attenuation max. at	
9.6 Khz	max. 2.5 dB/km
38.4 kHz	max. 4.0 dB/km
4.0 Mhz	max. 22.0 dB/km
16.0 Mhz	max. 42.0 dB/km
Peak operating voltage	250 V
Test voltage	1500 V

THERMAL & MECHANICAL PROPERTIES

Temperature range stationary	-30°C to +70°C
Minimum bending radius stationary	65 mm

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