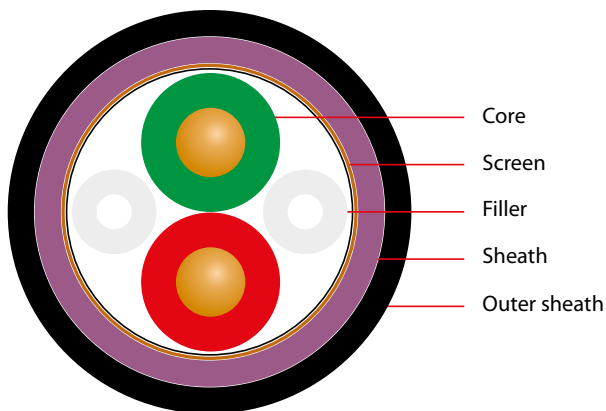


02YS(St)CY2Y

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



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 applicable for indoor and outdoor 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%

Sheath: PVC; colour: violet RAL 4001

Outer sheath: PE; colour: black RAL 9005

Dimension	Diameter approx. mm	Cable weight approx. kg/km	Copper index kg/km
1 x 2 x 0.64	10.2	95	25

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	120 mm

Subject to changes due to technical progress and error

