

## 02YS(St)C11Y

### PROFIBUS

Bus-cable for Profibus

drag chain appliaction • 1 x 2 x 0,64/2,50



### APPLICATION

The cable can be used as connecting cable in general machinery construction. It is used as connecting 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 use in drag chains due to strand construction and the PUR sheath.

### STANDARDS

DIN 19245 T3; EN 50170 (acc. to Profibus specifications)

### CONSTRUCTION

**Conductor:** copper strand, bare (AWG24/19)

**Core insulation:** Foam-Skin PE

**Core identification:** red, green

**Core stranding:** 2 cores and 2 drain wires layed up

**Lapping:** fleece

**Screen:** Al/PETP compound foil; tinned copper wire braid (visual covering appr. 80%)

**Sheath:** PUR; colour: violet RAL 4001

### ELECTRICAL CHARACTERISTICS

(Conductor) loop resistance max.	145 Ω/km
Insulation resistance min.	1 GΩx km
Char. impedance (3–20 MHz)	150 ± 15 Ω
Mutual capacitance nom.	30 nF/km
Attenuation max. at	9,6 kHz 3,0 dB/km
	38,4 kHz 5,0 dB/km
	4,0 MHz 25,0 dB/km
	16,0 MHz 49,0 dB/km
Peak operating voltage	250 V
Test voltage	1500 V

### THERMAL & MECHANICAL PROPERTIES

Temperature range	-30°C to +70°C
Cable diameter	8,0 ± 0,2 mm
Cable weight appr.	64 kg/km
Copper index	28 kg/km
Min. bending radius during installation	68 mm

Minimum order quantities may be required where the requested product does not meet our standard manufacturing minimums or is not indicated in the order, Shipping will always be made in the standard manufactured lengths or unless precisely requested.

We reserve changes which serve technical progress • Copper base 150,00€ / 100,00 kg  
Price upon quantity-specific request