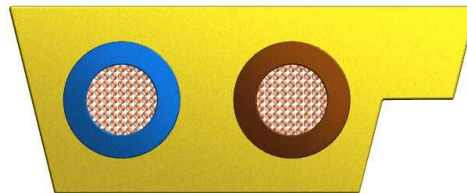


## AS-Interface



### Design

#### Wire

Stranded wire highly flexible to DIN VDE 0295, class 6  
 Insulation of TPE compound Leoni CL 2  
 Wall thickness about : 0.46 mm  
 minimum : 0.4 mm

∅ 1.5 mm  
 ∅ 2.5 mm

#### Jacket:

PVC compound Leoni CL 2, YE  
 Wall thickness about 0.6 mm  
 The brown wire should lay on the broadside of the profil  
 Outer dimensions

Thickness	4.0 ± 0.2 mm
broadside of the profil - thickness	2.0 ± 0.1 mm
Wide 1	6.5 ± 0.2 mm
Wide 2	10.0 ± 0.2 mm
Grid dimension conductor/conductor	3.6 ± 0.2 mm

Printing: "sequential length in metres" "ASI-LOGO" OIL RESISTANT 60 °C \* LEONI L 16AWG E119100 90 °C  
 CMG c(UL)us or (UL) CL2 or E130266 AWM 80 °C 300V FT4 \*

### Electrical data at 20° C

Conductor resistance	≤	13.7	Ohm/km
Insulation-resistance	≥	1	MOhm*km
Test voltage wire/wire rms 50Hz 1min		2000	V
Operating voltage (peak)		300	V

### Mechanical and thermal characteristics

Insulating material acc. to DIN VDE 0207, compoundtype Y17  
 Jacket material acc. to DIN VDE 0207, compoundtype YM5  
 Conductor material acc. to DIN EN 13602 Cu-ETP-A...-B

Oil resistant	UL 1581, Sec. 480 (60°C)
Cutting oil resistant (Sevora BP)	UL 1581, Sec. 480 (60°C)
Cold bend test	UL 444 (-20°C)
Flame retardant	UL 1581, Sec. 1061 (Cable Flame)
Flame retardant	UL 1581, Sec. 1060 (FT-1)
Flame retardant	UL 1685 (CSA FT 4)
Flame retardant	IEC 60332-1-2

UL type CL2 accord. to UL 13 and NEC Article 725  
 UL type CMG accord. to UL 444 and NEC Article 800

### Other characteristics:

Sunlight resistant

Reversed bending strength (horizontal on broadside)

- Bendings	10 million
- Maximum acceleration	4 m/s <sup>2</sup>
- Maximum horizontal speed	4 m/s
- Minimum bending radius	75 mm
- Maximum length horizontal of cable	10 m

Torsional strength for > 10 million cycles (angle ±180° on 0.5 m)

Permissible temperature range:

before and after Laying -30°C up to +90°C  
 during Laying -20°C up to +90°C

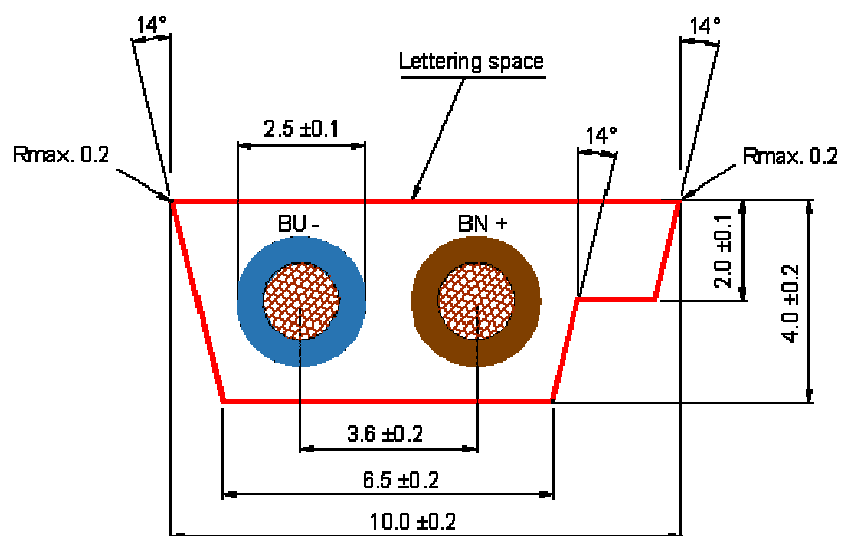
Permissible bending diameter:

Multiple bendings on broadside ≥ 24 mm  
 One bending on broadside ≥ 12 mm

Weight about : 70 Kg/km

### Designation of order:

L45587-M21-Y109  
 201201  
 FLI-99Y99Y 2X1X1.5 VZN FR GE  
 100 m on ring



Other radii max. 0.3

Waviness of surface acc. DIN ISO 1101:

