

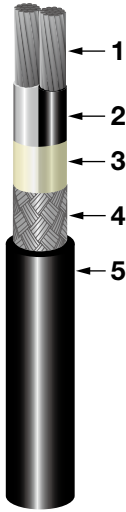
POLYENEX – Communication Series – WTB CO-IREE-SB (X)

120Ω

Fire Protection Levels

EN45545-2
Int. HL3 / ext.HL3

DIN5510-2
1, 2, 3, 4



- Rated voltage
AC 300V
- Operating temp. range
-40~80°C

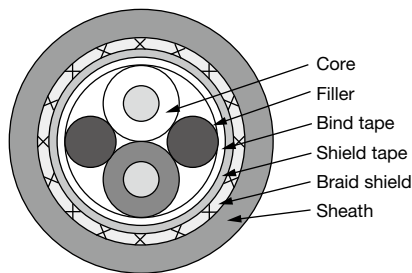
Properties

Flame resistance, Low smoke fume, Low toxicity

Application

On-board digital signal transmission cables

Construction



1. CONDUCTOR

Stranded with tin-coated annealed copper wire

2. INSULATION

Cross-linked polyethylene (white,black)

3. BIND TAPE

Add appropriate tape if necessary

4. SCREEN

Metal tape shield and tin-coated annealed copper braid shield

5. SHEATH

Cross-linked polyolefin (black)

Cable characteristics



Rated voltage
AC 300V



Operating
temp. range
-40~80°C



Flame
retardant
IEC60332-1-2



Fire retardant
IEC60332-3-24
IEC60332-3-25



Smoke density
IEC61034-2
DIN5510-2



Gases toxicity
EN50305
DIN5510-2



Halogen free



Oil and fuel
resistant
good



Acid and alkaline
resistant
good



Ozone resistant
good



Cold resistant
-40°C
good



Minimum bending
radius when
installed
4D



Minimum bending
radius when
laying
4D

No. of cond. x Cross section (mm ²)	Inner conductor diameter (Nom.) (mm)	Insulation diameter (Nom.) (mm)	Overall diameter (mm)	Max. conductor resistance at 20°C (Ω/km)	Capacitance 1.0kHz (pF/m)	Characteristic impedance 1.0~2.0MHz (Ω)	Transfer impedance 20MHz (mΩ/m)	Attenuation		Approx. weight (kg/km)
								1.0MHz (dB/km)	2.0MHz (dB/km)	
2X0.75*	1.21	2.7	8.5 ± 0.3	26.7	<65	120±12	<20	<10	<15	100

* Conductor sizes in the range from 0.5mm² to 1.5mm² are available upon request