

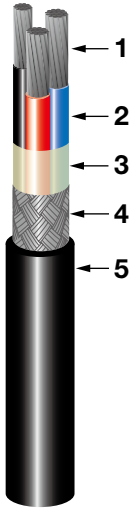
# POLYENEX – Communication Series – CAN CO-IREE-SB (X)

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

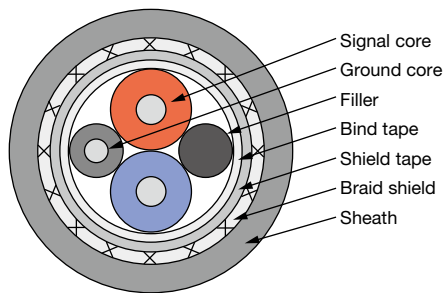
## Properties

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

Single core: cross-linked polyethylene (blue,red)  
Power core: cross-linked polyethylene (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



No. of cond. x Cross section (mm <sup>2</sup> )	Inner conductor diameter (Nom.) (mm)	Insulation diameter (Nom.) (mm)	Overall diameter (mm)	Max. conductor resistance at 20°C (Ω/km)	Characteristic impedance 0.75-3.0MHz (Ω/km)	Transfer impedance 20MHz (mΩ/m)	Attenuation		Approx. weight (kg/km)
							1.0MHz (dB/100m)	3.0MHz (dB/100m)	
2X0.5 (Signal) 1X0.5SQ (Ground)	0.9 0.9	2.3 1.48	6.8 ± 0.3	40.1	120±12	≤20	≤1.25	≤2.3	70