

# Ethernet APL & SPE

*The all-round cable solution  
for process, factory and  
building automation*



**ethernet-apl™**  
advanced physical layer

## THREE STANDARDS – ONE CABLE

BizLink's innovative Ethernet-APL cable not only meets the APL (Cable Category IV) standard but is also qualified for Single Pair Ethernet (IEC 61156-13) and the established PROFIBUS PA standard.

## THE FUTURE OF AUTOMATION

Ethernet-APL enables fast and reliable data transmission over long distances and is the key to digital transformation in the industry.

## MAXIMUM FLEXIBILITY & FUTURE-PROOFING

- **Easy migration**

Existing PROFIBUS PA devices remain usable while APL technology can be seamlessly integrated.

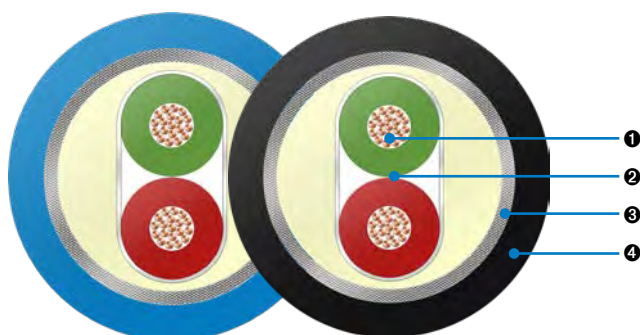
- **Long range**

Trunk cable for long distances between the network switches and with high performance up to 1000 m, Spur cables with lower performance as a connection cable for a field device with a length of up to 200 m, including hazardous areas.

- **Industrial-grade & robust**

Oil- and UV-resistant, ROHS-compliant, UL Style 2570, resistant to moisture, dust, and vibrations.

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### APPLICATION >

Ethernet-APL cable according to the PROFIBUS PA, Single Pair Ethernet and APL category 4 standard, available as trunk and spur version

### CONSTRUCTION >

- ❶ Conductor > Stranded bare copper wire (18 AWG)  
Ø 1.21 mm (0.048 in)  
Insulation of foamed PE with skin Ø 2.55 mm (0.100 in)
- ❷ Core > 2 wires, RD and GN twisted to a pair  
Plastic tape overlapped  
Inner jacket PVC Ø 5.4 mm (0.213 in)
- ❸ Shielding > Alulminate foil overlapped, applied longitudinally  
Shield braiding of tinned copper wires
- ❹ Jacket > PVC, Ø 8.0 ±0.2 mm (0.315 ±0.008 in)  
Sheath color > ● Blue (L45467-J20-C375)  
● Black (L45467-J20-C385)

### CHARACTERISTICS >

Oil resistant acc. to DIN EN 50290-2-22 (VDE 0819),  
UL-Style 2570 (80°C / 600V)  
RoHS compliant  
Sunlight resistant acc. to UL 2556 Sec. 4.2.8.5 (720 h)  
IEC 60079-14  
(only ● type 02YSY(ST)CY 1X2X1,2/2,55-100 LI BL)

### TYPE DESIGNATION & ORDER-NO. >



Type 02YSY(ST)CY 1X2X1,2/2,55-100 LI BL  
Order no. **L45467-J20-C375**



Type 02YSY(ST)CY 1X2X1,2/2,55-100 LI SW  
Order no. **L45467-J20-C385**