

# LiYCY IS / EX Applications

## Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity

### Application

Designed for applications which are installed in occasional flexing and fixed locations. Cable applications include precision control sensors, multi axis control machines, temperature controllers, control panels, machine cutting tools, auxiliary equipment, motor speed control, production machinery and many more.

### Cable Design

Conductor	1,0mm <sup>2</sup> Stranded bare copper (DIN VDE 0295 Class 5)
Insulation	PVC - Polyvinylchloride
No. of cores	2 cores cabled together to form a pair with wrapping tape.
Pair Identification	Brown/Blue
Braid Shield	Tinned Copper Wire Braid (TCWB) 85% coverage
Outer Sheath	Special PVC. Blue Ø 6,80mm

### Standards

- DIN VDE 0295, IEC 60228, BS6360
- DIN EN 50290-2-22, DIN VDE 0207-363-4-1
- DIN VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
- DIN EN 50525-2-51
- RoHS, REACH & CE Directives



## LiYCY IS / EX Applications

*Tinned Copper Braid Shield (TCB) - Excellent Noise Immunity*

### Performance

Flame Retardancy	VDE 0482-332-1-2, DIN EN 60332-1-2, IEC 60332-1-2
Voltage Rating (U <sub>o</sub> /U)	300 / 500 V
Oil Resistant	DIN EN 50290-2-22 (TM54)
Temperature Range (Occasional movement)	-30 °C to +70 °C
Temperature Range (Fixed installation)	-40 °C to +80 °C
Bending Radius (Occasional movement)	20 x OD
Bending Radius (Fixed installation)	6 x OD
Other Properties	UV resistance, chemical resistance & flexibility