

LK BUS CABLE

FIELD BUS FOUNDATION H1 100Ω 1x2xAWG18 PVC



Specification

| | | |
|--------------------|-----------------------|-----------------|
| ■ Inner Conductor | Bare Copper | |
| ■ Insulation | XLPE | |
| ■ Insulation Color | Blue, Orange | |
| ■ Filler Material | PE Strip | |
| ■ Foil Shield | AL-PET | >110% |
| ■ Braiding Shield | Tinned Copper | 96 x 0.12±0.008 |
| ■ Coverage | | ≥60% |
| ■ Jacket | PVC | |
| ■ Jacket Color | Orange, Blue or Black | |

Electrical Performance (20°C)

| | |
|------------------------------------|------------------------|
| ■ Voltage Rating | : 300 V |
| ■ Test Voltage (50Hz, 1min) | : AC 2000V |
| ■ Mutual Capacitance(max.) | : 60nF/Km |
| ■ Impedence | : 100 ± 20Ω @31.25kHz |
| ■ Conductor Loop Resistance (max.) | : 43.6Ω/km |
| ■ Min Bending Radius | : 7.5 x Cable diameter |
| ■ Attenuation (max.) | : 3.0dB/Km @ 39kHz |

APPLICATIONS

For Fieldbus Foundation for data transmission with additional power supply for the devices acc. To IEC 61158-2



APPLICATIONS
-Fieldbus cable, Type A for Fieldbus Foundation acc. To IEC 61158-2



THERMAL PERFORMANCE
-Maximum services temperature: 90°C
-Minimum services temperature: -20°C



BASED ON
-EN 50288-7
-IEC 61158-2



MECHANICAL PERFORMANCE
-Minimum bending radius: 7.5 x Cable diameter



ENVIRONMENTAL PERFORMANCE
-Water resistance: AD5 Jets
-Chemical & Oils resistance: Good



APPROVALS
-RoHS



ELECTRICAL PERFORMANCE
-Low Voltage : 300V
-Test Voltage : AC 2000V



FIRE PERFORMANCE
-Flame non-propagation base on IEC60332-1



INSTALLATION CONDITIONS
-In conduit
-Open Air

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| Type | Dimension | Cu content kg/km | Outer diameter approx.mm | Weight approx. kg/km |
|----------|------------------|------------------|--------------------------|----------------------|
| Fieldbus | 1 x 2 x AWG 18/7 | 45.0 | 8.1 | 85 |

