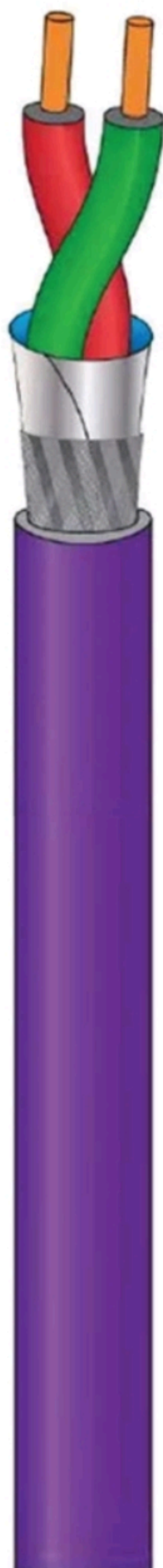


LK BUS CABLE

PROFIBUS DP/FMS/FIP 150Ω 1x2xAWG22 PVC



Specification

■ Inner Conductor	Bare Copper	
■ Insulation	Foamed PE	
■ Insulation Color	Green/Red	
■ 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	Violet	RAL4005

Electrical Performance (20°C)

- Voltage Rating : 300 V
- Nom velocity of propagation : 78%
- Test Voltage (50Hz, 1min) AC 2000V
- Mutual Capacitance(nominal) C-C : 30pF/m
- Impedence : 150 ± 15Ω @3~20MHz
- Conductor DC Resistance@ 20°C : ≤ 55Ω/km
- Min Bending Radius : 7.5 x Cable diameter
- Attenuation : ≤ 11.0 dB/Km @0.2MHz
 ≤ 26.5 dB/Km @4MHz
 ≤ 54.0 dB/Km @16MHz

APPLICATIONS

Use in Field Bus Communication especially in Industry Automation & Control System.



APPLICATIONS

- Interconnections for L2-DP BUS components
- F.I.P - (Factory Instrumentation protocol)
- Profibus FMS(Fieldbus Message Specification)



THERMAL PERFORMANCE

- Maximum services temperature: 80°C
- Minimum services temperature: -20°C



BASED ON

- EN 50265-2-1
- 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

LK BUS CABLE

PROFIBUS DP/FMS/FIP 150Ω 1x2xAWG22 PVC

Type	Dimension	Cu content kg/km	Outer diameter approx.mm	Weight approx. kg/km
Profibus DP - Standard	1 x 2 x 0.64 (AWG 22/1)	26.0	7.8	50
Profibus DP - Flexible	1 x 2 x 0.64 (AWG 22/7)	26.0	7.8	50

