

TECHNICAL/SPECIFICATION DATA SHEET

HALOGEN FREE SIGNAL AND CONTROL CABLES

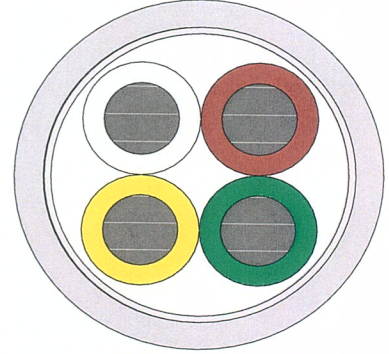
LIHH (UV)

VDE 0812

APPLICATION

In closed areas where people are densely found

- Instrumentation and control engineering
- Industrial electronics
- Computers and office machines
- Intercommunication systems in buildings
- Voice communication for inside of buildings
- In places where human life and valuable materials and equipment need to be protected



Flame Retardant Characteristic/ Low Smoke Emission/ Without Poisoned And Corrosive Gases
UV Resistant/ Reduced Outer Diameter/ Flexible Cable Design

TECHNICAL CHARACTERISTICS

- | | |
|---------------------------|--|
| 1 - Conductor | : IEC 60228/ DIN VDE 0295/ EN 60228/ Class 5 Electrolytic Bare Copper |
| 2 - Insulation | : EN 50290-2-26 HFFR Compound |
| 3 - Colour Code | : DIN 47100 |
| 4 - Stranding | : In Layers Of Optimum Pitch |
| 5 - Wrapping | : PES Tape($\leq 5\text{mm } \Phi = 23\mu$; $> 5\text{mm } \Phi = 36\mu$) |
| 6 - Sheath | : EN 50290-2-27 HFFR Compound |
| 7 - Sheath Colour | : RAL 8001 Brown; RAL 5015 Blue; RAL 7001 Grey |
| 8 - Bending Radius | : $10 \times \text{Cable } \Phi$ |
| 9 - Operating Voltage | : 300/500V |
| 10 - Test Voltage | : 2000V |
| 11 - Temperature Range | : $-30^{\circ}\text{C} \sim +70^{\circ}\text{C}$ |
| 12 - Flame Retardant Test | : IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2 |
| 13 - Flame Propagation | : IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24 |
| 14 - Smoke Density | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 15 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3 |
| 16 - Halogen Free Test | : IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1 |
| 17 - UV Resistant | : UL 1581 |

Cross Section (mm²)	Outer Diameter (mm)	Approx. Weight (kg/km)	Conductor Resistance (Ω/km)	Insulation Resistance (MΩ·km)	Mutual Capacity (nF/km)	Current Load (A)
2x0,75	5,30±0,50	37	26,00	20	120	13
3x0,75	5,60±0,50	47				
4x0,75	6,00±0,50	57				
5x0,75	6,90±0,50	74				
7x0,75	7,50±0,50	96				