

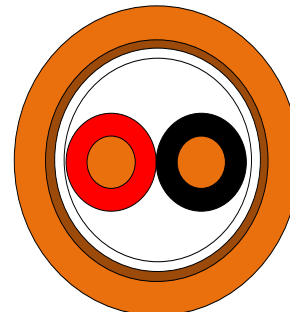
**P/N MDER1204001A00180 1x2x18 AWG UNSHIELDED CABLE
ERVİTAL FIRE RESISTANT SIGNAL CONTROL CABLES
ERVİTAL JE-HH FE180 / E90
(VDE 0815)**

Revision No. 01/20

APPLICATION

- 'Indoors where people are densely populated;
- Instrumentation and Control Engineering
- Industrial Electronics
- Computers and Office Machines
- Indoor Communication Systems
- Indoor Sound Systems

In places where human life and valuable materials and equipment need to be protected.



Flame Retardant Characteristic/ Low Smoke Emission/ Without Poisonous and Corrosive Gases

Circuit integrity for Minimum 180 minutes (FE180)/ Cable System Circuit Integrity for Minimum 90 Minutes (E90)/Uv Resistant

TECHNICAL CHARACTERISTICS

- | | |
|--|--|
| 1 - Conductor | : IEC 60228/ DIN EN 60228/ EN 60228/ Class 1 Electrolytic Solid Copper (1,02mm = 18 AWG) |
| 2 - Insulation | : Cross-Linked Special Polymer Compound |
| 3 - Colour Code | : Black / Red |
| 4 - Stranding | : Pairwise |
| 5 - Wrapping | : PES Tape |
| 6 - Flame Barrier | : Glass Fibre Tape |
| 7 - Sheath | : EN 50290-2-27 HFFR Compound |
| 8 - Sheath Colour | : RAL 2003 Orange |
| 9 - Bending Radius | : 10 x Cable Φ |
| 10 - Operating Voltage | : 300V |
| 11 - Test Voltage | : 1000V |
| 12 - Temperature Range | : -40°C ~ +70°C (Fixed Laying) |
| 13 - UV Resistant | : Yes |
| 14 - Flame Retardant Test | : IEC 60332-1-2, VDE 0482-332-1-2, EN 60332-1-2 |
| 15 - Flame Propagation Test | : IEC 60332-3-24, VDE 0482-332-3-24, EN 60332-3-24 |
| 16 - Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 17 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-267-2-3, EN 50267-2-3 |
| 18 - Halogen Free Test | : IEC 60754-1, VDE 0482-267-2-1, EN 50267-2-1 |
| 19 - Circuit Integrity Test (FE180) | : IEC 60331-23 |
| 20 - Cable System Circuit Integrity Test (E90) | : DIN 4102-12 |

Cable Cross-Section	Outer Diameter (mm)	Loop Resistance (1,02mmØ) (Ω /Km)	Insulation Resistance (M Ω xKm)	Mutual Capacity (nF/m)	Approx. Weight (kg/km)
1x2x18 AWG	5,90±%10	44,6	100	120	49

P/N CODE	Conductor Overall Diameter (mm)	Conductor Cross-Section (mm ²)
MDER1204001A00180	1,02 mm	0,80 mm ²

Surface Printing
ERSE KABLO ERVİTAL JE-HH FE180/E90 1X2X18 AWG Bđ IEC 60331-23/TS EN 50200 Traceability CODE CC RoHS [meter mark] meter