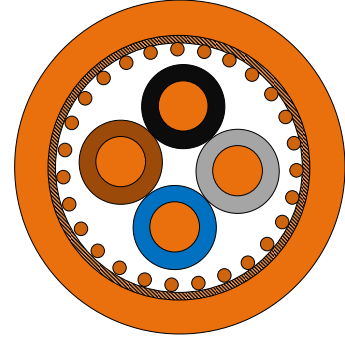


FIRE RESISTANT POWER CABLES
ERVITAL (N)HXCH (OB) FE180 / E90
(HD 604)
0,6/1 kV

APPLICATION

As Power and control cable;
- Machine and equipments that are required to continue its function during a fire (emergency elevators, fire water pumps e.g.)
- Ventilation systems which are connected to fire alarm system
- In emergency lighting at fire escape exits
- Emergency power supplies
-In places where human life and valuable materials and equipment need to be protected



Good EMC Characteristics/ Flame Retardant Characteristics/ Low Smoke Emission/ Without Poisonous And Corrosive Gases
Circuit Integrity (FE180)/ Cable System Circuit Integrity (E90)

TECHNICAL CHARACTERISTICS

- | | |
|---|--|
| 1 - Conductor | : IEC 60228/ DIN EN 60228/ EN 60228 Class 1 or 2 Electrolytic Plain Copper |
| 2 - Insulation | : Cross-Linked Special Polymer Compound |
| 3 - Insulation Colour | : VDE 0293; HD 308 S2 |
| 4 - Stranding | : In Layers Of Optimum Pitch |
| 5 - Inner Sheath | : HFFR Filling Compound |
| 6 - Screen | : Concentric Conductor Formed By Bare Copper Wires + Copper Tape |
| 7 - Outer Sheath | : HFFR Compound-HM4 |
| 8 - Outer Sheath Colour | : RAL 2003 Orange |
| 9 - Min.Bending Radius | : 12 x D |
| 10 - Operating Voltage | : 0,6/1 kV |
| 11 - Test Voltage | : 4000 V |
| 12 - Temperature Range | : -40°C ~+90°C (Fixed Laying) |
| 13 - Flame Retardant Test | : IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2 |
| 14 - Flame Propagation Test | : IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24 |
| 15 - Smoke Density Test | : IEC 61034-2, VDE 0482-1034-2, EN 61034-2 |
| 16 - Corrosive Gas Test | : IEC 60754-2, VDE 0482-754-1-2, EN 60754-2 |
| 17 - Halogen Free Test | : IEC 60754-1, VDE 0482-754-2, EN 60754-2 |
| 18 - Circuit Integrity Test (FE180) | : IEC 60331-21 |
| 19 - Circuit Integrity With Shock Test (PH 120) | : EN 50200, VDE 0482-200, BS EN 50200 |
| 20 - Cable System Circuit Integrity Test (E90) | : DIN 4102-12 |
| 21 - Cable Marking | : ERSE KABLO [CABLE DESCRIPTION] [CABLE CONSTRUCTION] [OPERATING VOLTAGE][METER MARK][PRODUCTION ORDER NUMBER] CE RoHS |

Cross-Section (mm ²)	Overall Diameter (mm)	Conductor Resistance (Ω/km)	Current Load (A)	Approx. Weight (kg/km)	SAP Code
4x1,5/1,5	11,6±1,5	12,1	20	213	CDQ112
4x2,5/2,5	12,6±1,5	7,41	25	285	CDQ111
4x4/4	14,0±1,5	4,61	34	384	CDQ120
4x6/6	15,7±1,5	3,08	44	487	CDQ119
4x10/10	18,9±1,5	1,83	61	813	CDQ116
4x16/16	23,1±2,0	1,15	82	1209	CDQ115
4x25/16	27,1±2,0	0,727	108	1716	CDQ110
4x35/16	30,4±2,5	0,524	135	2193	CDQ109
4x50/25	32,7±2,5	0,387	168	2868	CDQ118