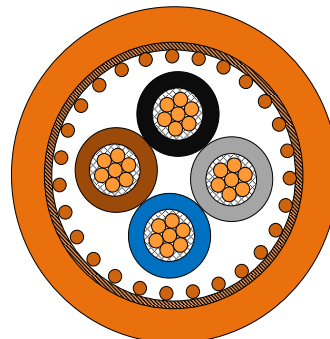


FIRE RESISTANT POWER CABLES
ERVITAL NHXCH (OB) FE180 / E90
(VDE 0266)
0,6/1 kV

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
 Fire Resistant/ Circuit Integrity for Min 180 Minutes (FE180)/ Cable System Circuit Integrity for Min. 90 Minutes (E90)

TECHNICAL CHARACTERISTICS

- | | |
|---|--|
| 1 - Conductor | : IEC 60228/ DIN EN 60228/ EN 60228 Class 2 Stranded Electrolytic Plain Copper |
| 2 - Insulation | : Mica Tape + Cross-Linked HFFR 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 - Wrapping | : PES Tape |
| 8 - Sheath | : HFFR Compound-HM4 |
| 9 - Sheath Colour | : RAL 2003 Orange |
| 10 - Min.Bending Radius | : 12 x D |
| 11 - Operating Voltage | : 0,6/1 kV |
| 12 - Test Voltage | : 4000 V |
| 13 - Temperature Range | : -40°C ~+90°C (Fixed Laying) |
| 14 - Flame Retardant Test | : IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2 |
| 15 - Flame Propagation Test | : IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, 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 0482-754-1-2, EN 60754-2 |
| 18 - Halogen Free Test | : IEC 60754-1, VDE 0482-754-2, EN 60754-2 |
| 19 - Circuit Integrity(FE180) | : IEC 60331-21 |
| 20 - Circuit Integrity With Shock Test (PH 120) | : EN 50200, VDE 0482-200, BS EN 50200 |
| 21 - Cable System Circuit Integrity Test (E90) | : DIN 4102-12 |
| 22 - Cable Marking | : ERSE KABLO NHXCH-O FE180/E90 4X240/120 mm ² 0,6/1kV <VDE> 0266 @UE/@OK
CE RoHS CCCC mt CCCC mt |

Cross-Section (mm ²)	Overall Diameter (mm)	Conductor Resistance (Ω/km)	Current Load (A)	Approx. Weight (kg/km)	SAP Code
4x70/35	40,5±3,0	0,268	207	4100	CDQ117
4x95/50	47,5±3,0	0,193	250	5800	CDQ114
4x120/70	51,4±3,5	0,153	344	6993	CDQ113
4x150/70	55,2±3,5	0,124	420	8959	CFK488
4x185/95	62,1±4,0	0,101	490	10598	CFK490
4x240/120	70,2±4,5	0,0775	560	13578	CFK489