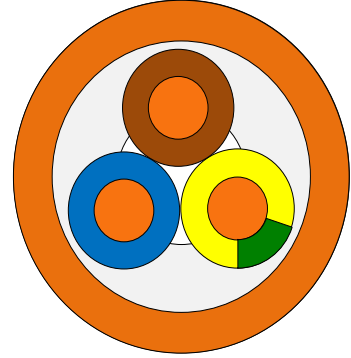


**FIRE RESISTANT POWER CABLES**  
**(N)HXH FE180 / E90**  
**(HD 604)**  
**0,6/1 kV**

**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



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 Class 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 - Outer Sheath	: HFFR Compound-HM4
7 - Outer Sheath Colour	: RAL 2003 Orange
8 - Min.Bending Radius	: 12 x D
9 - Operating Voltage	: 0,6/1 kV
10 - Test Voltage	: 4000 V
11 - Temperature Range	: -40°C ~+90°C (Fixed Laying)
12 - Flame Retardant Test	: IEC 60332-1-2, DIN EN 60332-1-2, BS EN 60332-1-2, EN 60332-1-2
13 - Flame Propagation Test (Cat C)	: IEC 60332-3-24, DIN EN 60332-3-24, BS EN 60332-3-24, EN 60332-3-24
14 - Smoke Density Test	: IEC 61034-2, VDE 0482-1034-2, EN 61034-2
15 - Corrosive Gas Test	: IEC 60754-2, VDE 0482-754-1-2, EN 60754-2
16 - Halogen Free Test	: IEC 60754-1, VDE 0482-754-2, EN 60754-2
17 - Circuit Integrity (FE180)	: IEC 60331-21
18 - Circuit Integrity With Shock Test (PH 120)	: EN 50200, VDE 0482-200, BS EN 50200
19 - Cable System Circuit Integrity Test (E90)	: DIN 4102-12
20 - Cable Marking	: ERSE KABLO [CABLE DESCRIPTION] [CABLE CONSTRUCTION] [OPERATING VOLTAGE] [METER MARK][PRODUCTION ORDER NUMBER] CE RoHS

<b>Cross Section (mm<sup>2</sup>)</b>	<b>Overall Diameter (mm)</b>	<b>Conductor Resistance (<math>\Omega</math>/km)</b>		<b>Current Load (A)</b>		<b>Approx. Weight (kg/km)</b>	<b>Product Code</b>
<b>2x1,5</b>	8,2±1,0	12,1		20		92	36881502603
<b>3x1,5</b>	9,0±1,0					136	36881503605
<b>4x1,5</b>	9,7±1,0					148	36881504603
<b>5x1,5</b>	10,3±1,5					194	36881505605
<b>7x1,5</b>	11,5±1,5					242	368815076
<b>10x1,5</b>	14,6±1,5					359	368815106
<b>2x2,5</b>	9,6±1,0	7,41		25		163	368825026
<b>3x2,5</b>	10,1±1,5					185	36882503605
<b>4x2,5</b>	11,1±1,5					224	36882504602
<b>5x2,5</b>	12,2±1,5					280	36882505605
<b>4x4</b>	12,5±1,5	4,61		34		314	368840046
<b>5x4</b>	13,6±1,5					379	36884005605
<b>3x6</b>	12,7±1,5	3,08		44		340	368860036
<b>4x6</b>	14,2±1,5					412	368860046
<b>5x6</b>	15,4±1,5					515	36886005605
<b>4x10</b>	17,4±1,5	1,83		61		674	368810046
<b>5x10</b>	19,0±1,5					831	368810056
<b>4x16</b>	21,2±2,0	1,15		82		1002	36881604603
<b>5x16</b>	23,6±2,0					1231	368816056
<b>5x25</b>	27,9±2,0	0,727		108		1831	368825056
<b>3x25+16</b>	24,3±2,0	$\frac{25\text{mm}^2}{0,727}$	$\frac{16\text{mm}^2}{1,15}$	$\frac{25\text{mm}^2}{108}$	$\frac{16\text{mm}^2}{82}$	1375	368826036