

ERVITAL FIRE RESISTANT ENERGY CABLES

(N)HXH FE180/E30-E60

HD 604 S1



FLAME RETARDANT CHARACTERISTIC/LOW SMOKE EMISSION/WITHOUT POISONED AND CORROSIVE GASSES
CIRCUIT INTEGRITY FE180/CIRCUIT INTEGRITY WITH MECHANICAL SHOCK PH120/CABLE SYSTEM CIRCUIT
INTEGRITY E30-E60



APPLICATION

As a power and control cable;

- Machine and equipment that are required to continue its function during a fire (emergency elevators, fire water pumps etc.)
- 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

CONSTRUCTION

1-Conductor

IEC 60228; VDE 0295; EN 60228 Class 1 or Class 2 Electrolytic Bare Copper

2-Insulation

Cross-linked Special

Polymer Compound

VDE 0293; HD 308 S2

3-Colour Code

In layers of optimum pitch

4-Stranding

HFFR Compound

5-Inner Sheath

HFFR compound acc. to HD 604 S1

6-Outer Sheath

RAL 2003 Orange

7-Sheath Colour

TECHNICAL CHARACTERISTICS

OPERATING VOLTAGE (25°C)	TEST VOLTAGE (50 Hz 1 Min) CORE/CORE
0,6/1kV	4000V
BENDING RADIUS	TEMPERATURE RANGE
12x Cable Ø	- 40°C - +90°C

FLAME PERFORMANCE TESTS



FLAME RETARDANT TEST

IEC 60332-1-2
VDE 0482-3321-2
EN 603321-2
BS EN 60332-1 2



FLAME PROPAGATION TEST

IEC 603323 24
VDE 0482-3323 24
EN 603323 24
BS EN 603323 24



SMOKE DENSITY TEST

IEC 61034-2
VDE 0482-10342
EN 61034-2
BS EN 61034 2



TEST ON CORROSIVENESS COMBUSTION GASES

IEC 607542
VDE 0482754-2
EN 607542
BS EN 607542

HALOGEN FREE TEST



CIRCUIT INTEGRITY TEST (FE180)

IEC 60754-1
VDE 0482-754-1
EN 60754-1
BS EN 60754-1



CIRCUIT INTEGRITY WITH SHOCK TEST (PH120)

EN 50200
VDE 0482-200
BS EN 50200



CABLE SYSTEM CIRCUIT INTEGRITY (E30-E60)

DIN 4102-12