

## HUZ FIRE NGF FE180 PH30

FIRE RESISTANT CABLE (300V/500V)

### APPROVALS



Certificate No: 711 c - (cl - 8)



### CABLE DESCRIPTION

#### Conductor

Solid bare copper (IEC/EN 228, BS6360, VDE 0295, HD 383) (Cross sections: 1.5 & 2.5 mm<sup>2</sup>) to meet the requirements of BS 6387: 2013 (Category CWZ) and EN 50200: 2006 (Class PH30)

#### Insulation

Fire resistant silicon rubber (HD 22.1, BS 7655, EI 2) Colours: BS 7671/HD308-S2/VDE0293-308. For more than 5 cores white core/black numbered

#### Separator

Polyester tape

#### Drain Wire

0.80 mm Solid tinned copper

#### Shield

Aluminium laminated polyester tape

#### Sheath

HFFR, Red (RAL 3000) or White; EN 50290 -2 VDE 0207 HM2 BS 7655 LTS1/LTS3

#### Core identification

Harmonised – Standard

- o o red-black
- o o red-yellow-blue
- o o black-red-yellow-blue

#### Key Applications

- Fire detection and fire alarm systems for buildings
- Voice alarm systems
- Emergency voice communication
- Emergency and escape lighting
- Control circuits for life safety and fire fighting systems
- Other essential service control circuits for 'standard' fire resistance

#### British Standards

- BS 6387: 2013 (Category CWZ)
- EN 50200: 2006 (Class PH30)
- LPCB approved

#### Technical & Electrical Properties

- Conductor Resistance (Max.) 2.5mm<sup>2</sup>: 12Ω/km, 2.5mm<sup>2</sup>: 7.4Ω/km
- Insulation Resistance (Min.): 200M.Ω/ km
- Operating Voltage : 300V/500V
- Test Voltage : 2000V
- Temperature Range : Fixed -30°C to +90°C (Flexing) : -5°C to +60°C
- Min. Bending Radius : Fixed 8xCable Diameter (Flexing) : 15xCable Diameter
- Flame Tests : IEC/EN60332-1, IEC 60332-3-24, BS 4066 PART1&3, EN50266-2-4
- Insulation Integrity : IEC 60331, BS 6387 C, W, Z EN 50200 PH30
- Smoke Density : IEC/EN 61034, BS 7622, HD 606
- Corrosive Gas Measurement IEC 60754-2, BS 6425, EN 50267



Temperature Range  
-30 to +90°C



Bending Radius  
Fixed r=8D



Mechanical Impact  
Medium



Fire Performance  
IEC/EN 60332-1  
IEC 60332-3-24  
BS 4066 part 1&3  
EN 50266-2-4



Flexibility  
Semi rigid



Halogen Free  
BS EN60754-1



LowSmoke Emissions  
IEC/EN 61034  
BS 7622 HD 606



Fire resistance  
IEC 60331  
BS 6387 CWZ  
EN 50200 PH30

## ORDERING INFORMATION & TECHNICAL DATA

PART NUMBER	CROSS SECTION (mm <sup>2</sup> )	NO. OF CORES	CABLE DIAMETER (mm) (+/- 5%)	COPPER WEIGHT (Kg/Km)	CABLE WEIGHT (Kg/Km)
HFC215R	1.5	2	6.65	33	70
HFC315R	1.5	3	6.75	46	90
HFC415R	1.5	4	7.60	59	110
HFC225R	2.5	2	7.80	50	100
HFC325R	2.5	3	8.25	72	135
HFC425R	2.5	4	9.10	95	165

Note: For white colour cables, replace R with W in the part number

### For Sales Enquiries:

**HUZ MIDDLE EAST (FZE)**

P.O.BOX:121839,

Saif Zone,Sharjah, U.A.E

Tel. : +9716-5582469

Email : [info@huzelectronics.co.uk](mailto:info@huzelectronics.co.uk)

**HUZ ELECTRONICS –WARE HOUSE**

P.O.BOX:47653,

Al Qusais Ind.4,Dubai, U.A.E

Tel. : +971 42639118

Email : [info@huzelectronics.co.uk](mailto:info@huzelectronics.co.uk)

**HUZ ELECTRONICS – UK**

10,Avondale road,

Cwmbran,S.Wales

NP44 1UD United Kingdom

Phone : +44 845 388 8138

A brand of the

