

# Fire Rated Cable

# RALOS

## FR3013 Flexible Fire Rated Power Cable

### Single core

#### Construction:

Flexible bare copper class 5 fine wire stranding, glass mica tape, cross-linked, halogen free, flame-retardant compound type X-HF-110 acc. to AS/NZS 3808, red low smoke halogen-free type HSF-110TP metre marked sheath to AS/NZS 3808.

#### Bending Radius:

8 x cable diameter

#### Nominal Voltage:

600/1000V

#### Temperature Range:

-40°C - 110°C

#### Flame-retardant:

AS/NZS 1660.5.1; IEC 60332-3-22 Cat. A; IEC 60332-1

#### Cable circuit integrity:

AS/NZS 1660.5.5; IEC 60331; BS 6387, Cat. C.W.Z

#### Wiring system circuit integrity:

AS/NZS 3013, Cat. WS52W

#### Smoke density:

AS/NZS 1660.5.2; IEC 61034-2

#### Halogen acid gas content:

AS/NZS 1660.5.3, IEC 60754-1

#### Gases evolved during combustion:

AS/NZS 1660.5.4, IEC 60754-2

#### Features, Rating and Approvals:

- Flexibility for easy installation
- REACH and RoHS compliant
- Halogen free acc. to IEC 60754-1
- UV-resistant

#### Core Colour Coding:

- Single cores : Natural
- 2 core + earth : Red, Black, Green/ Yellow
- 4 core + earth : Red, White, Blue, Black, Green/Yellow

#### Outer Sheath Colour:

Red

#### Installation Guidance

It is the responsibility of the installing contractor to ensure FR cables are installed in accordance with the relevant standards and regulations for fire rated areas.



Type	Cores x CSA	Conductor Dia- meter	Insulation Thickness	Outer Sheath Thickness	Overall Diameter	Approx Weight	20 Max. D.C Conductor Resistance
Part No.	mm²	mm	mm	mm	mm	kg/km	Ω/km
FR1X2.5R	1C2.5	2.0	0.7	1.4	7.8	77	7.98
FR1X4R	1C4.0	2.6	0.7	1.4	8.4	96	4.95
FR1X6R	1C6.0	3.2	0.7	1.4	9.0	119	3.3
FR1X10R	1C10	4.3	0.7	1.4	10.1	163	1.91
FR1X16R	1C16	5.4	0.7	1.4	11.2	224	1.21
FR1X25R	1C25	6.7	0.9	1.4	12.9	321	0.78
FR1X35R	1C35	7.9	0.9	1.4	14.1	424	0.554
FR1X50R	1C50	9.7	1.0	1.4	16.1	586	0.386
FR1X70R	1C70	11.2	1.1	1.4	17.8	814	0.272
FR1X95R	1C95	13.1	1.1	1.5	19.9	1002	0.206
FR1X120R	1C120	15.1	1.2	1.5	22.1	1252	0.161
FR1X150R	1C150	16.5	1.4	1.6	24.1	1565	0.129
FR1X185R	1C185	18.0	1.6	1.6	26.0	1862	0.106
FR1X240R	1C240	21.0	1.7	1.7	29.4	2489	0.0801
FR1X300R	1C300	24.0	1.8	1.8	32.8	3073	0.0641
FR1X400R	1C400	27.0	2.0	1.9	36.4	4027	0.0486
FR1X500R	1C500	31.5	2.2	1.9	41.3	5016	0.0384
FR1X630R	1C630	35.0	2.4	2.1	45.6	6294	0.0287