



## Fire Rated 110° Multi-Core – WS52W

**Application:** Flexible Multi-Core Halogen free, low smoke, low toxic and corrosive emission cable for mains, submains, and the fire protection industry. Independently tested and certified to AS/NZS 3013:2005 - Category WS52W, as well as further cable manufacturing standards as outlined, and included below (see "Standards").

**Norm. Operating Temp.:** 110°C

**Conductor:** Plain annealed copper (Class 5 of IEC 60228)

**Barrier:** Mica Glass Tape

**Insulation:** X-HF-110

**Sheath:** HF-110-TP

**Voltage:** 600/1000V (0.6/1kV)

**Fire Rating:** WS52W

**Water Rating:** WS5XW

**Standards:** Independently tested and accredited under AS/NZS 3013:2005, and AS/NZS 5000.1:2005 by an government approved third-party independent accreditation body.

Accreditation as per "Responsible Supplier" status with the Electrical Regulatory Authorities Council (E.R.A.C.), and pertaining to manufacture as per AS/NZS 3013:2005 – WS52W, IEC 60332-3, AS/NZS IEC 60332.3.24, AS/NZS IEC60332.3.25, EN ISO 4589-3, AS/NZS IEC60754-1 (Halogen Content), AS/NZS IEC60754-2 (Low Acidity - Low Corrosion), AS/NZS IEC61034.2 (Smoke Emission), BS6387, AS/NZS 1660.5.3, AS/NZS 1660.5.4, AS/NZS 1660.5.1, AS/NZS1660.5.2, AS/NZS /NZS 5000.1, AS/NZS 3808, AS/NZS 1125, AS/NZS 3808, IEC 60332-3-24, IEC 60332-3-25, IEC 60754-1, IEC 61034-2, ISO 4589-2, general to EN50288.

**Greenstar Certified:** Yes

(Pathway 2 - as per the Green Building Council of Australia)

**V.C.A. Endorsed:** Yes

(Vinyl Council of Australia)

**Warranted:** Yes



ELECTRA Part Number	SIZE	CORES	INSULATION Thickness	SHEATH Thickness	O.D.	MIN. BEND RADIUS	WEIGHT
FRC2015E	1.5	2+E	0.7 + 0.7E	1.8	12.4	250	175
FRC2025E	2.5	2+E	0.7 + 0.7E	1.8	13.5	270	224
FRC2040E	4	2+E	0.7 + 0.7E	1.8	14.2	285	261
FRC2060E	6	2+E	0.7 + 0.7E	1.8	15.1	305	310
FRC2100E	10	2+E	0.7 + 0.7E	1.8	16.8	340	410
FRC2160E	16	2+E	0.7 + 0.7E	1.8	18.8	390	560
FRC2250E	25	2+E	0.9 + 0.7E	1.8	22.5	450	790
FRC2350E	35	2+E	0.9 + 0.7E	1.8	24.6	515	1025
FRC3015E	1.5	3+E	0.7 + 0.7E	1.8	13.4	270	211
FRC3025E	2.5	3+E	0.7 + 0.7E	1.8	14.6	295	272
FRC3040E	4	3+E	0.7 + 0.7E	1.8	15.7	315	332
FRC3060E	6	3+E	0.7 + 0.7E	1.8	16.7	335	402
FRC3100E	10	3+E	0.7 + 0.7E	1.8	18.6	375	540
FRC3160E	16	3+E	0.7 + 0.7E	1.8	20.8	420	750
FRC3250E	25	3+E	0.9 + 0.7E	1.8	24.2	485	1080
FRC4015E	1.5	4+E	0.7 + 0.7E	1.8	14.5	290	246
FRC4025E	2.5	4+E	0.7 + 0.7E	1.8	15.9	320	323
FRC4040E	4	4+E	0.7 + 0.7E	1.8	17.0	340	397
FRC406E	6	4+E	0.7 + 0.7E	1.8	18.2	365	490
FRC4100E	10	4+E	0.7 + 0.7E	1.8	20.4	410	665
FRC4160E	16	4+E	0.7 + 0.7E	1.8	22.9	460	935
FRC4250E	25	4+E	0.9 + 0.7E	1.8	26.8	540	1360
FRC4350E	35	4+E	0.9 + 0.7E	1.8	29.9	600	1795
FRC2500E	50	2+E	1.0 + 0.7E	1.9	28.0	550	1350
FRC4500E	50	4+E	1.0 + 0.7E	1.9	33.8	680	2420
FRC4700E	70	4+E	1.1 + 0.9E	2.1	39.4	790	3430
FRC4950E	95	4+E	1.1 + 0.9E	2.3	43.7	875	4500

\*Size = mm<sup>2</sup>, O.D. ± 10%, Insulation Thickness, Sheath Thickness, O.D. & Bend Radius = mm, Weight = kg/km. Other cable combinations available.

### LARGER EARTH

ELECTRA Part Number	SIZE	CORES	EARTH	INSULATION Thickness	SHEATH Thickness	O.D.	WEIGHT
XFRC4100E	10	4	10	0.7	1.8	22	695
XFRC4160E	16	4	16	0.7	1.8	24	955

\*Size = mm<sup>2</sup>, O.D. & Earth. ± 10%, Insulation Thickness, Sheath Thickness, & O.D. = mm. Weight = kg/km. Other cable combinations available.

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**SYDNEY**  
(02) 8786 5200

**MELBOURNE**  
(03) 9706 6819

**BRISBANE**  
(07) 3386 9800

**PERTH**  
(08) 9454 2628

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