

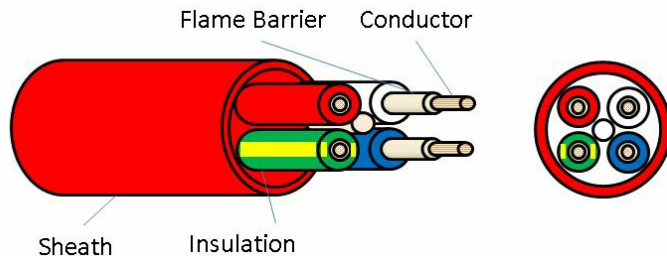
MULTI CORE FLEXIBLE FIRE RATED, 0.6/1KV X-HF 110

FIRE RATED CABLES

MICA TAPE X-HF 110 INSULATED HFS-110-TP SHEATHED CABLE TO AS/NZS 5000.1 & AS/NZS 3013

CABLE APPLICATION

Description
 2 Hour Fire Rated extra flexible power cables. Supply for essential circuits like mains and other areas.



CABLE DESIGN

Conductor
 Flexible annealed bare copper conductor wire, based on IEC 60228 and AS/NZS 1125 Class 5 & 6

Insulation
 Triple layered Mica tape wrap
 X-HF-110 compound, complies to AS/NZS 3808
 3 cores: Red, Black, Green/Yellow
 4 cores: Red, White, Blue, Green/Yellow
 5 cores: Red, White, Blue, Black, Green/Yellow

Outer Sheath
 HFS-110-TP compound, complies to AS/NZS 3808. Colour is Red.

Properties
 Max. Service Temperature: 110°C
 Min. Service Temperature: -40°C
 Max. Short Circuit Temperature: 250°C (5s)
 Bending Radius: 12 x Cable diameter
 Extra Flexible Conductor: Class 5 & 6
 Chemical Resistance: Good
 Oils Resistance: Excellent
 Impact Resistance: AS/NZS 3013
 Fire Resistance: 950°C/2h
 Flame Retardance: AS/NZS 3013
 UV Resistant
 Low Smoke Zero Halogen
AS3103 WS Fire Rating
 WS52W

CHARACTERISTICS

Part Number	Conductor				Cable				
	No. Of Cores	Nom. Area mm ²	Nom. Dia. mm	Conductor resistance @20°C Ω/km	Insulation Thickness mm	Nom. Insulation Dia. mm	Sheath Thickness	Overall Sheath Dia.	Approx. Mass Kg/100m
FFR7050C2CE	2C + E	1.5	0.25	13.3	0.7	4.6	1.8	14.5	27.8
		E(1.5)	E(0.25)	13.3	0.7	4.6			
FFR7067C2CE	2C + E	2.5	0.25	7.98	0.7	5.0	1.8	15.1	33.1
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7085C2CE	2C + E	4.0	0.3	4.95	0.7	5.6	1.8	16.2	39.5
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7104C2CE	2C + E	6.0	0.3	3.3	0.7	6.3	1.8	17.3	47.4
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7135C2CE	2C + E	10	0.3	1.91	0.7	7.3	1.8	19.4	63.1
		E(4.0)	E(0.3)	4.95	0.7	5.6			
FFR7170C2CE	2C + E	16	0.3	1.21	0.7	8.4	1.8	21.9	84.2
		E(6.0)	E(0.3)	3.3	0.7	6.3			
FFR19135C2CE	2C + E	25	0.3	0.78	0.9	10.2	1.8	24.3	115.8
		6.0	E(0.3)	3.3	0.7	6.3			
FFR19153C2CE	2C + E	35	0.3	0.554	0.9	11.4	1.8	27.0	151.4
		E(10)	E(0.3)	1.91	0.7	7.3			
FFR19178C2CE	2C + E	50	0.3	0.386	1.0	13.4	1.9	30.7	208.6
		E(16)	E(0.3)	1.21	0.7	8.4			
FFR7050C3CE	3C + E	1.5	0.25	13.3	0.7	4.6	1.8	15.4	32.6
		E(1.5)	E(0.25)	13.3	0.7	4.6			
FFR7067C3CE	3C + E	2.5	0.25	7.98	0.7	5.0	1.8	16.4	39.1
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7085C3CE	3C + E	4.0	0.3	4.95	0.7	5.6	1.8	17.7	47.1
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7104C3CE	3C + E	6.0	0.3	3.3	0.7	6.3	1.8	19.0	57.7
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7135C3CE	3C + E	10	0.3	1.91	0.7	7.3	1.8	21.5	77.9
		E(4.0)	E(0.3)	4.95	0.7	5.6			
FFR7170C3CE	3C + E	16	0.3	1.21	0.7	8.4	1.8	24.4	105.2
		E(6.0)	E(0.3)	3.3	0.7	6.3			

Part Number	No. Of Cores	Conductor			Cable				
		Nom. Area mm ²	Nom. Dia. mm	Conductor resistance @20°C Ω/km	Insulation Thickness mm	Nom. Insulation Dia. mm	Sheath Thickness	Overall Sheath Dia.	Approx. Mass Kg/100m
FFR19135C3CE	3C + E	25	0.3	0.78	0.9	10.2	1.9	27.3	146.7
		E(6.0)	E(0.3)	3.3	0.7	6.3			
FFR19153C3CE	3C + E	35	0.3	0.554	0.9	11.4	2.0	30.7	194.6
		E(10)	E(0.3)	1.91	0.7	7.3			
FFR19178C3CE	3C + E	50	0.3	0.386	1.0	13.4	2.1	35.1	268.8
		E(16)	E(0.3)	1.21	0.7	8.4			
FFR19214C3CE	3C + E	70	0.5	0.272	1.1	15.6	2.3	40.4	371.1
		E(25)	E(0.3)	0.78	0.9	10.2			
FFR37178C3CE	3C + E	95	0.5	0.206	1.1	17.1	2.4	44.5	445.6
		E(25)	E(0.3)	0.78	0.9	10.2			
FFR7050C4CE	4C + E	1.5	0.25	13.3	0.7	4.6	1.8	16.6	36.9
		E(1.5)	E(0.25)	13.3	0.7	4.6			
FFR7067C4CE	4C + E	2.5	0.25	7.98	0.7	5.0	1.8	17.8	44.6
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7085C4CE	4C + E	4.0	0.3	4.95	0.7	5.6	1.8	19.3	54.2
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7104C4CE	4C + E	6.0	0.3	3.3	0.7	6.3	1.8	20.9	67
		E(2.5)	E(0.25)	7.98	0.7	5.0			
FFR7135C4CE	4C + E	10	0.3	1.91	0.7	7.3	1.8	23.7	91.2
		E(4.0)	E(0.3)	4.95	0.7	5.6			
FFR7170C4CE	4C + E	16	0.3	1.21	0.7	8.4	1.8	27.0	124.4
		E(6.0)	E(0.3)	3.3	0.7	6.3			
FFR19135C4CE	4C + E	25	0.3	0.78	0.9	10.2	1.9	30.7	176.5
		E(6.0)	E(0.3)	3.3	0.7	6.3			
FFR19153C4CE	4C + E	35	0.3	0.554	0.9	11.4	2.1	34.6	234.7
		E(10)	E(0.3)	1.91	0.7	7.3			
FFR19178C4CE	4C + E	50	0.3	0.386	1.0	13.4	2.2	39.4	324.6
		E(16)	E(0.3)	1.21	0.7	8.4			
FFR19214C4CE	4C + E	70	0.5	0.272	1.1	15.6	2.4	45.3	449.1
		E(25)	E(0.3)	0.78	0.9	10.2			
FFR37178C4CE	4C + E	95	0.5	0.206	1.1	17.1	2.6	50.3	542.1
		E(25)	E(0.3)	0.78	0.9	10.2			

0.6/1kV MULTI FFR 110

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