



ZHFR Power Cables

ZHFR power cables are flexible, dual-wall, zero-halogen cables manufactured from radiation cross-linked copolymers. Their many properties include low smoke and toxic gas evolution, enhanced corona resistance, high resistance to oils, fluids, weathering and abrasion and have a wide continuous operating temperature range. ZHFR power cables are suitable for public transport applications, both indoors and outdoors, to connect fixed and moving parts, using AC or DC technology, particularly for converters.



Technical Characteristics

Continuous operating temperature	-40°C to +120°C
Voltage rating	1800Vac 3000Vdc
Flammability	To IEC 332-3
Conductors	Tin-plated copper

Part Numbering Information

Part No	Cross-Sectional			Weight (kg/100m)	Current Rating* (amps)
	Area (mm ²)	Stranding (No./mm)	O/D (mm)		
ZHFR-1.0	1.0	32/0.2	2.85	1.7	25
ZHFR-1.5	1.5	30/0.26	3.2	2	33
ZHFR-2.5	2.5	50/0.26	3.7	3	45
ZHFR-4.0	4.0	56/0.31	4.5	5	61
ZHFR-6.0	6.0	84/0.31	5.1	7	79
ZHFR-10	10.0	80/0.41	6.3	12	111
ZHFR-16	16.0	119/0.41	8.3	19	153
ZHFR-25	25.0	182/0.41	10.2	28	203
ZHFR-35	35.0	259/0.41	11.7	39	255
ZHFR-50	50.0	378/0.41	13.6	55	322
ZHFR-70	70.0	336/0.51	15.6	74	402
ZHFR-95	95.0	444/0.51	17.3	96	489
ZHFR-120	120.0	551/0.51	19.6	120	578
ZHFR-150	150.0	722/0.51	21.9	155	670
ZHFR-185	185.0	874/0.51	23.8	188	761
ZHFR-240	240.0	1147/0.51	26.9	240	912
ZHFR-300	300.0	1443/0.51	29.7	289	1061

*Current rating: for 2-phase AC 50Hz single circuit, @30°C ambient, 120°C conductor temperature, in air.

Current de-rating figures for bundles and at different ambient temperatures are available on request.

Availability

Standard colours: Inner insulation - grey
Outer sheath - black

Note: ZHFR power cables are available as customised terminated power cable assemblies. Please contact Cabletec's sales office for details.

cabletec

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