



FireKab NHXH FE180 E90



Applications

0.6 / 1 kV, single and multicore, halogen free, flame retardant cables, to be used in highly populated buildings such as tall buildings, shopping malls hospitals, schools etc., where there is risk of fire. With the help of mica tape over the conductors continuity of the energy will be provided incase of fire up to the limit values stated in the standards.

Construction

Conductor	Solid or stranded annealed copper wires (IEC 60228 Class 1 / Class 2)
Insulation	Mica tape / Crosslinked HFFR compound
Filler	LSOH
Outer Sheath	LSOH
Reference Standards	DIN VDE 0276-604
Flame test	DIN 4102-12, IEC 60332-3-22 (CAT C), IEC 60331

Technical and Electrical Properties (20 °C)

Operating voltage	0.6 / 1 kV	
Test voltage (50 Hz)	4 kV	
Maximum operating temperature	90 °C	
Minimum bending radius	Single Core	15 x Cable diameter
	Multicore	12 x Cable diameter

PART NUMBER	CORES / SIZE (mm ²)	APPROX. CABLE DIAMETER (mm)	APPROX. CABLE WEIGHT (kg / km)	PART NUMBER	CORES / SIZE (mm ²)	APPROX. CABLE DIAMETER (mm)	APPROX. CABLE WEIGHT (kg / km)
P6800001	1X1.5 re	7.30	70	P6800006	1X16	11.30	268
P6800002	1X2.5 re	8.00	90	P6800007	1X25	12.50	374
P6800003	1X4.0 re	8.20	110	P6800008	1X35	13.80	470
P6800004	1X6.0 re	8.90	140	P6800009	1X50	15.20	598
P6800005	1X10	10.00	200	P6800010	1X70	17.00	825

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P6800011	1X95	19.50	1115	P6800042	3X50+25	33.20	2453
P6800012	1X120	20.40	1319	P6800043	3X70+35	37.50	3280
P6800013	1X150	22.80	1660	P6800044	3X95+50	43.00	4450
P6800014	1X185	25.30	1997	P6800045	3X120+70	46.50	5500
P6800015	1X240	28.20	2630	P6800046	3X150+70	50.00	6574
P6800016	1X300	30.60	3200	P6800047	3X185+95	56.50	8300
P6800017	2X1.5 re	13.20	240	P6800048	3X240+120	62.80	10630
P6800018	2X2.5 re	14.00	280	P6800049	3X300+150	69.00	13170
P6800019	2X4.0 re	15.00	330	P6800050	3X25	25.00	1300
P6800020	2X6.0 re	15.90	395	P6800051	3X35	28.50	1624
P6800021	2X10	18.50	587	P6800052	3X50	31.00	2130
P6800022	2X16	20.90	772	P6800053	3X70	34.70	2850
P6800023	2X25	23.50	1070	P6800054	3X95	41.00	3955
P6800024	2X35	26.50	1311	P6800055	3X120	43.00	4690
P6800025	2X50	28.60	1680	P6800056	3X150	47.90	5850
P6800026	2X70	32.20	2230	P6800057	3X185	54.00	7188
P6800027	2X95	37.50	3080	P6800058	3X240	60.20	9250
P6800028	2X120	40.00	3600	P6800059	3X300	66.00	11413
P6800029	2X150	44.50	4460	P6800060	4X1.5 re	15.40	300
P6800030	2X185	49.90	5553	P6800061	4X2.5 re	16.30	390
P6800031	2X240	56.00	7100	P6800062	4X4.0 re	17.50	468
P6800032	2X300	61.00	8640	P6800063	4X6.0 re	18.30	570
P6800033	3X1.5 re	14.00	265	P6800064	4X10	22.00	870
P6800034	3X2.5 re	14.70	310	P6800065	4X16	24.60	1184
P6800035	3X4.0 re	16.00	390	P6800066	4X25	28.30	1670
P6800036	3X6.0 re	16.90	480	P6800067	4X35	31.00	2080
P6800037	3X10	20.10	700	P6800068	4X50	34.70	2740
P6800038	3X16	22.50	950	P6800069	4X70	39.70	3750
P6800039	3X16+10	24.00	1100	P6800070	4X95	46.30	5106
P6800040	3X25+16	27.50	1535	P6800071	4X120	48.50	6050
P6800041	3X35+16	30.00	1838				

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P6800072	4X150	53.50	7500	PP6800089	5X185	67.00	11290
P6800073	4X185	60.50	9300	P6800090	5X240	75.00	14450
P6800074	4X240	67.90	11950	P6800091	5X300	83.00	17737
P6800075	4X300	74.00	14620	P6800092	7X1.5 re	18.20	450
P6800076	5X1.5 re	16.50	370	P6800093	7X2.5 re	19.60	549
P6800077	5X2.5 re	17.50	450	P6800094	12X1.5 re	23.70	690
P6800078	5X4.0 re	19.00	570	P6800095	12X2.5 re	25.30	856
P6800079	5X6.0 re	20.50	722	P6800096	15X1.5 re	26.10	845
P6800080	5X10	24.20	1050	P6800097	15X2.5 re	28.00	1046
P6800081	5X16	27.10	1450	P6800098	19X1.5 re	27.00	999
P6800082	5X25	31.00	2004	P6800099	19X2.5 re	29.20	1249
P6800083	5X35	34.80	2500	P6800100	21X1.5 re	29.00	1048
P6800084	5X50	38.50	3280	P6800101	21X2.5 re	31.40	1326
P6800085	5X70	43.60	4500	P6800102	27X1.5 re	34.60	1090
P6800086	5X95	50.60	6150	P6800103	27X2.5 re	35.30	1369
P6800087	5X120	54.50	7300	P6800104	30X1.5 re	33.80	1478
P6800088	5X150	60.00	9120	P6800105	30X2.5 re	36.50	1850