

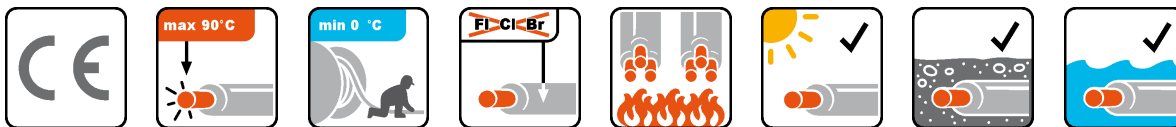
FRNC power cable

Cu/XLPE/LSZH/SWA/LSZH acc. to BS 6724



conductor material:	bare copper
conductor construction:	stranded, class 2
insulation:	XLPE
inner sheath:	halogenfrei
armour:	round steel wire, galvanized
sheathing material:	FRNC-compound HM1
colour of outer sheath:	black
flame retardant:	VDE 0482-266-2-4/IEC 60332-3-24
halogen free:	DIN EN 50267/IEC 60754
maximum temperature at conductor:	90 °C
temperature, moved/during installation:	0 - +90 °C
bending radius, fixed installation:	6 x DA
nominal voltage U ₀ :	0,6 kV
nominal voltage U:	1 kV
test voltage:	4 kV

Application: Distribution cable for industry constructions and switching boxes. For fixed installation inside of buildings, direct burial in earth, in water as well as in concrete and for heavy-duty mechanical load.



The products and information presented here are for technical calculation only. They are subject to technical progress and in no way represent the ability of shipment. Outer diameters are approximately.

table: technical data Cu/XLPE/LSZH/SWA/LSZH

Art.-Nr.	part-name	RI [Ω/km]	l _{bl} [A]	l _{be} [A]	DA [mm]	CU	G [kg/km]
013048	Cu/XLPE/LSZH/AWA/LSZH 01X50 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,387	215	253	17,5	480	708
012969	Cu/XLPE/LSZH/AWA/LSZH 01X70 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,268	283	316	20,2	680	970
013049	Cu/XLPE/LSZH/AWA/LSZH 01X95 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,193	338	376	22,3	930	1240
013069	Cu/XLPE/LSZH/AWA/LSZH 01X150 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,124	435	467	27,4	1440	1888
013070	Cu/XLPE/LSZH/AWA/LSZH 01X300 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)	0,0601	660	659	35,6	2990	3482
013071	Cu/XLPE/LSZH/AWA/LSZH 01X500 RM 0,6/1 kV SW Ader: braun / Mantel: schwarz (BS 6724)		794	770	44,2	4800	5666
012537	Cu/XLPE/LSZH/SWA/LSZH 02X4 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	4,61	39	47	14,7	77	420

The current rating is calculated for air temperature of 50 °C and ground temperature of 35 °C.

table: technical data Cu/XLPE/LSZH/SWA/LSZH

Art.-Nr.	part-name	RI [Ω/km]	I _{bl} [A]	I _{be} [A]	DA [mm]	CU	G [kg/km]
012538	Cu/XLPE/LSZH/SWA/LSZH 02X6 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	3,08	48	59	15,9	115,2	500
012742	Cu/XLPE/LSZH/SWA/LSZH 02X10 RM 0,6/1 kV SW Adern: schwarz, rot (BS 6724)	1,83	65	79	18,1	192	650
012743	Cu/XLPE/LSZH/SWA/LSZH 02X16 RM 0,6/1 kV SW Adern: schwarz, rot (BS 6724)	1,15	83	102	20,1	307,2	910
012674	Cu/XLPE/LSZH/SWA/LSZH 02X185 RM 0,6/1 kV SW Adern: braun, blau (BS 6724)	0,0991	329	394	44,7	3640	5800
012698	Cu/XLPE/LSZH/SWA/LSZH 03G1,5 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	12,1	22	28	12,8	43,2	341
012952	Cu/XLPE/LSZH/SWA/LSZH 03X1,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	12,1	22	28	12,8	43,2	341
012655	Cu/XLPE/LSZH/SWA/LSZH 03X2,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	7,41	29	36	14,1	72	405
012819	Cu/XLPE/LSZH/SWA/LSZH 03G2,5 RM 0,6/1 kV SW Adern: braun, blau, gn-ge (BS 6724)	7,41	29	36	14,1	72	390
012661	Cu/XLPE/LSZH/SWA/LSZH 03X4 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	4,61	39	47	15,3	115,2	495
012663	Cu/XLPE/LSZH/SWA/LSZH 03X6 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	3,08	48	59	16,6	173	600
012823	Cu/XLPE/LSZH/SWA/LSZH 03X10 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	1,83	65	79	19,5	288	866
012667	Cu/XLPE/LSZH/SWA/LSZH 03X16 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	1,15	83	102	21,2	460,8	1080
012669	Cu/XLPE/LSZH/SWA/LSZH 03X25 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,727	107	131	23,3	750	1750
012824	Cu/XLPE/LSZH/SWA/LSZH 03X35 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,524	128	157	29,6	1020	2060
012825	Cu/XLPE/LSZH/SWA/LSZH 03X70 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,268	187	229	32,2	2040	3118
012675	Cu/XLPE/LSZH/SWA/LSZH 03X185 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,0991	329	394	49,8	5460	8040
012676	Cu/XLPE/LSZH/SWA/LSZH 03X300 RM 0,6/1 kV SW Adern: braun, schwarz, grau (BS 6724)	0,0601	427	509	60,2	8970	12320
012659	Cu/XLPE/LSZH/SWA/LSZH 04X2,5 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	7,41	29	36	15,1	96	465
012953	Cu/XLPE/LSZH/SWA/LSZH 04X4 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	4,61	39	47	16,4	154	579
012664	Cu/XLPE/LSZH/SWA/LSZH 04X6 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	3,08	48	59	18,7	230,4	820
012690	Cu/XLPE/LSZH/SWA/LSZH 04X10 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	1,83	65	79	21,1	384	1090
012772	Cu/XLPE/LSZH/SWA/LSZH 04X16 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	1,15	83	102	22,9	614,4	1400
012856	Cu/XLPE/LSZH/SWA/LSZH 04X25 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,727	107	131	28,9	1000	2100

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table: technical data Cu/XLPE/LSZH/SWA/LSZH

Art.-Nr.	part-name	RI [Ω/km]	l _{bl} [A]	l _{be} [A]	DA [mm]	CU	G [kg/km]
012539	Cu/XLPE/LSZH/SWA/LSZH 04X35 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,524	128	157	32,1	1360	2580
012540	Cu/XLPE/LSZH/SWA/LSZH 04X50 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,387	152	187	32	1920	3000
012773	Cu/XLPE/LSZH/SWA/LSZH 04X70 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,268	187	229	37,7	2720	4300
012774	Cu/XLPE/LSZH/SWA/LSZH 04X95 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,193	253	274	41,7	3720	5510
012775	Cu/XLPE/LSZH/SWA/LSZH 04X120 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,153	293	312	47,1	4720	7150
012857	Cu/XLPE/LSZH/SWA/LSZH 04X150RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,124	335	349	51,4	5760	8500
012776	Cu/XLPE/LSZH/SWA/LSZH 04X185 RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0991	386	394	56,6	7280	10300
012858	Cu/XLPE/LSZH/SWA/LSZH 04X240RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0991	456	455	63	9520	13000
012859	Cu/XLPE/LSZH/SWA/LSZH 04X300RM 0,6/1 kV SW Adern: braun, schwarz, grau, blau (BS 6724)	0,0601	519	509	68,8	11960	15750
012699	Cu/XLPE/LSZH/SWA/LSZH 05G1,5 RM 0,6/1 kV SW Adern: braun, schwarz,grau, gn-ge (BS 6724)	12,1	22	28	14,2	72	433
012660	Cu/XLPE/LSZH/SWA/LSZH 05X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	29	36	16,1	120	530
012820	Cu/XLPE/LSZH/SWA/LSZH 05G2,5 RM 0,6/1 kV SW Adern: braun, schwarz,grau, gn-ge (BS 6724)	7,41	29	36	16,1	120	507
012662	Cu/XLPE/LSZH/SWA/LSZH 05X4 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	4,61	39	47	18,4	192	775
012665	Cu/XLPE/LSZH/SWA/LSZH 05X6 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	3,08	48	59	19,7	288	929
012666	Cu/XLPE/LSZH/SWA/LSZH 05X10 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	1,83	65	79	23,2	480	1300
012668	Cu/XLPE/LSZH/SWA/LSZH 05X16 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	1,15	83	102	26,6	768	1880
012670	Cu/XLPE/LSZH/SWA/LSZH 05X25 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,727	107	131	31,7	1200	2670
012671	Cu/XLPE/LSZH/SWA/LSZH 05X35 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,524	128	157	33,1	1680	3738
012672	Cu/XLPE/LSZH/SWA/LSZH 05X50 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,387	152	187		2400	5340
012673	Cu/XLPE/LSZH/SWA/LSZH 05X70 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	0,268	187	229		3360	7476
013072	Cu/XLPE/LSZH/SWA/LSZH 06X6 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	3,08	48	59	19,3	345,6	910
012818	Cu/XLPE/LSZH/SWA/LSZH 07X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	22	28	19,4	173	854
012656	Cu/XLPE/LSZH/SWA/LSZH 12X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	22	28	19,4	173	854

The current rating is calculated for air temperature of 50 °C and ground temperature of 35 °C.

table: technical data Cu/XLPE/LSZH/SWA/LSZH

Art.- Nr.	part-name	RI [Ω /km]	I _{bl} [A]	I _{be} [A]	DA [mm]	CU	G [kg/km]
012821	Cu/XLPE/LSZH/SWA/LSZH 12X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	29	36	22,4	288	1024
013005	Cu/XLPE/LSZH/SWA/LSZH 19X1,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	12,1	22	28	22,2	274	1120
012822	Cu/XLPE/LSZH/SWA/LSZH 19X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	29	36	26,1	456	1515
013073	Cu/XLPE/LSZH/SWA/LSZH 27X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	29	36	29,3	648	1887
012872	Cu/XLPE/LSZH/SWA/LSZH 48X2,5 RM 0,6/1 kV SW nummerierte weisse Adern (BS 6724)	7,41	29	36	38,8	1152	3430

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