



Code

N2XFGbH , YXZ3Z1 **CU/XLPE/STA/HFFR**

Voltage Rating

0.6/1 kV

Standards

TS HD 604 S1-KISIM 5G , VDE 0276

IEC 60228

EN 61034

EN 50267

EN 60332-3

Conductor

Smoke Density

Halogen Free

Flame Retardant (Cat C)

Reaction to Fire Classification (CPR)

EN 60332-1-2

Flame Retardant

Conductor

Solid Copper Conductor (Class 1)

Stranded Copper Conductor (Class 2)

Insulation

XLPE (Cross-linked Polyethylene)

Filler

Halogen Free Filler

Armour

Flat Steel Wire and Galvanized Steel Tape

Sheath

Halogen Free Sheath

Technical Data

Max. Operating Temperature	:	90°C
Short Circuit Temperature	:	250°C (max.5 sec)
Bending Radius	:	15D (D : Overall Diameter)
Test Voltage	:	3,5 kV

Application

These are cables with low dielectric losses used in energy networks in refineries, mines, hotels, schools, tunnels high constructions hospitals, power plant, data processing centers, business centers where there is a risk of fire.

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
1x70	20,0	1110,8	1000	0,268	257	275
1x95	21,9	1405,4	1000	0,193	304	336
1x120	23,6	1670,9	1000	0,153	341	388
1x150	25,6	2022,0	1000	0,124	377	438
1x185	27,9	2425,7	1000	0,0991	418	501
1x240	30,8	3031,6	500	0,0754	469	508

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
2x6 re	15,6	560,3	1000	3,08	65	54
2x10	18,1	729,2	1000	1,83	87	75
2x16	20,3	942,6	1000	1,15	113	100
2x25	23,5	1297,3	1000	0,727	146	136
2x35	25,7	1587,2	1000	0,524	176	165
2x50	29,2	2030,3	1000	0,387	208	201
2x70	33,5	2669,7	500	0,268	256	255
2x95	37,5	3425,8	500	0,193	307	314
2x120	41,3	4125,9	500	0,153	349	364
2x150	46,1	5126,5	500	0,124	391	416
2x185	50,6	6186,0	250	0,0991	442	480
2x240	56,9	7853,6	250	0,0754	509	565

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
3x10	19,0	843,4	1000	1,83	87	75
3x16	21,3	1113,3	1000	1,15	113	100
3x25	24,8	1556,5	1000	0,727	146	136
3x35	27,3	1932,7	1000	0,524	176	165
3x50	31,0	2495,6	1000	0,387	208	201
3x70	35,6	3332,4	1000	0,268	256	255
3x95	40,0	4306,0	500	0,193	307	314
3x120	44,5	5282,9	500	0,153	349	364
3x150	49,2	6500,8	500	0,124	391	416
3x185	54,1	7898,8	250	0,0991	442	480
3x240	60,8	10050,7	250	0,0754	509	565

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
4x4 re	16,1	611,1	1000	4,61	52	43
4x6 re	17,3	734,1	1000	3,08	65	54
4x10	20,4	993,7	1000	1,83	87	75
4x16	23,0	1332,2	1000	1,15	113	100
4x25	26,9	1886,4	1000	0,727	146	136
4x35	29,8	2380,0	1000	0,524	176	165
4x50	34,5	3151,3	1000	0,387	208	201
4x70	39,1	4146,2	500	0,268	256	255
4x95	44,5	5468,9	500	0,193	307	314
4x120	49,0	6624,5	500	0,153	349	364
4x150	54,3	8199,2	250	0,124	391	416
4x185	60,2	10062,5	250	0,0991	442	480
4x240	67,3	12733,5	250	0,0754	509	565
4x300	74,2	15956,0	250	0,0601	569	643
4x400	83,9	20044,6	250	0,0470	637	737

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
5x6 re	18,4	857,1	1000	3,08	65	54
5x10	21,9	1178,4	1000	1,83	87	75
5x16	24,8	1599,9	1000	1,15	113	100
5x25	29,3	2309,1	1000	0,727	146	136
5x35	32,6	2927,8	1000	0,524	176	165
5x50	37,7	3888,6	500	0,387	208	201
5x70	42,9	5142,6	500	0,268	256	255
5x95	48,8	6798,1	500	0,193	307	314
5x120	53,9	8286,8	250	0,153	349	364
5x150	60,2	10353,7	250	0,124	391	416
5x185	66,3	12628,0	250	0,0991	442	480
5x240	74,6	16141,8	250	0,0754	509	565
5x300	81,9	20214,0	250	0,0601	569	643
5x400	92,7	25346,3	250	0,0470	637	737

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
3x16+10	22,3	1246,7	1000	1,15 - 1,83	113	100
3x25+16	25,8	1762,2	1000	0,727 - 1,15	146	136
3x35+16	28,1	2175,4	1000	0,524 - 1,15	176	165
3x50+25	32,2	2836,4	1000	0,387 - 0,727	208	201
3x70+35	36,9	3772,1	500	0,268 - 0,524	256	255
3x95+50	41,6	4904,4	500	0,193 - 0,387	307	314
3x120+70	46,6	6079,6	500	0,153 - 0,268	349	364
3x150+70	50,6	7387,1	250	0,124 - 0,268	391	416
3x185+95	56,4	9116,7	250	0,0991 - 0,193	442	480
3x240+120	62,8	11491,6	250	0,0754 - 0,153	509	565
3x300+150	69,0	14315,2	250	0,0601 - 0,124	569	643
3x400+185	78,1	18030,1	250	0,0470 - 0,0991	637	737

Nominal Cross Section (mm ²)	Overall Diameter (mm)	Net Weight (kg/km)	Delivery Length (m)	Resistance at 20°C (ohm/km)	Current Carrying Capacity	
					In Ground at 20°C	In Air at 30°C
4x16+10	24,2	1479,6	1000	1,15 - 1,83	113	100
4x25+16	28,4	2128,4	1000	0,727 - 1,15	146	136
4x35+16	31,0	2651,3	1000	0,524 - 1,15	176	165
4x50+25	36,1	3514,3	1000	0,387 - 0,780	208	201
4x70+35	40,9	4655,0	500	0,268 - 0,524	256	255
4x95+50	46,7	6134,2	500	0,193 - 0,387	307	314
4x120+70	51,8	7498,7	500	0,153 - 0,268	349	364
4x150+70	56,9	9253,3	250	0,124 - 0,268	391	416
4x185+95	62,9	11337,6	250	0,0991 - 0,193	442	480
4x240+120	70,2	14327,9	250	0,0754 - 0,153	509	565
4x300+150	77,6	18027,9	250	0,0601 - 0,124	569	643
4x400+185	87,5	22582,8	250	0,0470 - 0,0991	637	737

Note :

Current carrying capacities are valid at 30°C ambient temperature