



N2XY

RATED • VOLTAGE U /U 0,6/1k
CU • XLPE • PVC

01 | APPLICATION:

These power cables are used for electricity supply in low voltage installation system. They are well adapted to underground use in industrial applications with an additional mechanical protection. These cables can be fixed on cable trays, within conduits or fixed to walls.

02 | CONSTRUCTION:

Conductor: RE: Class 1 solid copper conductor
RM: Class 2 stranded circular or circular compacted
SM: Class 2 stranded sectoral shaped

Insulation: XLPE (Cross-Linked Polyethylene)
Bedding: PVC (Polyvinyl Chloride)
Sheath: PVC (Polyvinyl Chloride)

Core Identification: 3 core: ● Green/Yellow ● Blue ● Brown
4 core: ● Green/Yellow ● Brown ● Black ● Grey
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey
7 cores and above: ● Black cores and ○ White numbers

Sheath Colour: ● Black

03 | CHARACTERISTICS:

Voltage Rating U₀/U: 0.6/1kV
Temperature Rating: During installation -5°C to +50°C
Fixed Installation: -20°C to +90°C

Minimum Bending Radius Fixed: 12 x overall diameter

04 | STANDARDS:

RoHS CE TÜV
IEC 60502-1, RoHS CE Tuv



DIMENSIONS

KUKA CABLE PART NO	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA MM ²	CONDUCTOR TYPE	NOMINAL THICKNESS OF INSULATION MM	NOMINAL THICKNESS OF SHEATH MM	NOMINAL OVERALL DIAMETER MM	NOMINAL WEIGHT KG/KM
KPN2XY116	1	16	RM	0.7	1.8	9.8	216
KPN2XY125	1	25	RM	0.9	1.8	11.5	318
KPN2XY135	1	35	RM	0.9	1.8	12.6	415
KPN2XY150	1	50	RM	1	1.8	14.1	543
KPN2XY170	1	70	RM	1.1	1.8	15.6	746
KPN2XY195	1	95	RM	1.1	1.8	17.6	1000
KPN2XY1120	1	120	RM	1.2	1.8	19.2	1239
KPN2XY1150	1	150	RM	1.4	1.8	21.2	1515
KPN2XY1185	1	185	RM	1.6	1.8	23.1	1872
KPN2XY1240	1	240	RM	1.7	1.8	25.8	2403
KPN2XY1300	1	300	RM	1.8	1.8	27.8	2974
KPN2XY1400	1	400	RM	2.2	1.9	31.1	3834
KPN2XY1500	1	500	RM	2.2	2	34.9	4892
KPN2XY1630	1	630	RM	2.8	2.8	46.6	6544
KPN2XY2015	2	1.5	RE	0.7	1.8	10.1	145
KPN2XY2025	2	2.5	RE	0.7	1.8	10.9	179
KPN2XY2040	2	4	RE	0.7	1.8	11.8	226
KPN2XY2060	2	6	RE	0.7	1.8	12.8	284
KPN2XY210	2	6	RM	0.7	1.8	13.1	295
KPN2XY216	2	10	RM	0.7	1.8	15	416
A2N2XY225	2	16	RM	0.7	1.8	17	581
KPN2XY235	2	25	RM	0.9	1.8	20.4	859
KPN2XY235	2	35	RM	0.9	1.8	22.5	1109
KPN2XY3015	3	1.5	RE	0.7	1.8	10.5	162
KPN2XY3025	3	2.5	RE	0.7	1.8	11.4	205
KPN2XY3040	3	4	RE	0.7	1.8	12.4	265
KPN2XY3060	3	6	RE	0.7	1.8	13.4	338
KPN2XY310	3	10	RM	0.7	1.8	15.8	505
KPN2XY316	3	16	RM	0.7	1.8	18	719
KPN2XY325	3	25	RM	0.9	1.8	21.6	1072
KPN2XY335	3	35	RM	0.9	1.8	23.9	1403
KPN2XY350	3	50	RM	1	1.9	23.8	1581
KPN2XY316/10	3	16/10	SM	0.7	1.8	19.8	875.5
KPN2XY325/16	3	25/16	SM	0.9/0.7	1.8	22.4	1223
KPN2XY335/16	3	35/16	SM	0.9/0.7	1.8	24.3	1557
KPN2XY350/25	3	50/25	SM	1/0.9	1.9	26.9	1863
KPN2XY370/35	3	70/35	SM	1.1/0.9	2	30	2594
KPN2XY395/50	3	95/50	SM	1.1/1	2.2	33.8	3505
KPN2XY3120/70	3	120/70	SM	1.2/1.1	2.3	37	4440
KPN2XY3150/70	3	150/70	SM	1.4/1.1	2.4	41.6	5333
KPN2XY3185/95	3	185/95	SM	1.6/1.1	2.6	45.8	6701
KPN2XY3240/120	3	240/120	SM	1.7/1.2	2.8	51.6	8674
KPN2XY3300/150	3	300/150	SM	1.8/1.4	3	67.2	10624
KPN2XY4015	4	1.5	RE	0.7	1.8	11.3	188
KPN2XY4025	4	2.5	RE	0.7	1.8	12.2	240
KPN2XY4040	4	4	RE	0.7	1.8	13.3	314

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KPN2XY4060	4	6	RE	0.7	1.8	14.5	408
KPN2XY410	4	10	RE	0.7	1.8	17.1	615
KPN2XY416	4	16	RE	0.7	1.8	19.6	885
KPN2XY425	4	25	RE	0.9	1.8	23.7	1330
KPN2XY435	4	35	RE	0.9	1.8	26.2	1758
KPN2XY450	4	50	SM	1	2	27.1	2082
KPN2XY470	4	70	SM	1.1	2.1	31.4	2937
KPN2XY495	4	95	SM	1.1	2.2	35	3955
KPN2XY4120	4	120	SM	1.2	2.4	39.3	4979
KPN2XY4150	4	150	SM	1.4	2.6	43.6	6129
KPN2XY4185	4	185	SM	1.6	2.7	48	7591
KPN2XY4240	4	240	SM	1.7	2.9	53.9	9875
KPN2XY4300	4	300	SM	1.8	2.6	68.9	15124
KPN2XY5015	5	1.5	RE	0.7	1.8	12.1	218
KPN2XY5025	5	2.5	RE	0.7	1.8	13.1	281
KPN2XY5040	5	4	RE	0.7	1.8	14.3	372
KPN2XY5060	5	6	RE	0.7	1.8	15.6	486
KPN2XY510	5	10	RM	0.7	1.8	18.6	740
KPN2XY516	5	16	RM	0.7	1.8	21.3	1071
KPN2XY525	5	25	RM	0.9	1.8	25.9	1619
KPN2XY535	5	35	RM	0.9	1.8	28.8	2138
KPN2XY550	5	50	RM	1	2.1	29.4	2578
KPN2XY570	5	70	RM	1.1	2.4	33.7	3616
KPN2XY595	5	95	RM	1.1	2.5	38.6	4933
KPN2XY5120	5	120	RM	1.2	2.7	42.6	6153
KPN2XY5150	5	150	RM	1.4	2.9	47.7	7587
KPN2XY5185	5	185	RM	1.6	3.1	52.8	9454
KPN2XY5240	5	240	RM	1.7	1.8	58.7	12242
KPN2XY7015	7	1.5	RE	0.7	1.8	12.9	260
KPN2XY7025	7	2.5	RE	0.7	1.8	14	342
KPN2XY7040	7	4	RE	0.7	1.8	15.4	461
KPN2XY10015	10	1.5	RE	0.7	1.8	15.6	357
KPN2XY10025	10	2.5	RE	0.7	1.8	17.2	475
KPN2XY10040	10	4	RE	0.7	1.8	19	646
KPN2XY12015	12	1.5	RE	0.7	1.8	16.1	394
KPN2XY12025	12	2.5	RE	0.7	1.8	17.6	528
KPN2XY14015	14	1.5	RE	0.7	1.8	16.8	436
KPN2XY14025	14	2.5	RE	0.7	1.8	18.5	592
KPN2XY16040	16	4	RM	0.7	1.8	23	971
KPN2XY19015	19	1.5	RE	0.7	1.8	18.4	543
KPN2XY19025	19	2.5	RE	0.7	1.8	20.3	746
KPN2XY24015	24	1.5	RE	0.7	1.8	21.2	675
KPN2XY24025	24	2.5	RE	0.7	1.8	23.4	931
KPN2XY30015	30	1.5	RE	0.7	1.8	22.3	788
KPN2XY30025	30	2.5	RM	0.7	1.8	26.3	1164
KPN2XY40015	40	1.5	RE	0.7	1.8	24.6	995
KPN2XY40025	40	2.5	RE	0.7	1.9	27.5	1416