



Cu/PVC/Cu Screen/PVC (NYCY TEİAŞ)

Power cable 0,6/1 kV with Cu conductors, PVC insulated, copper wire screen, copper tape and PVC sheathed

APPLICATION

For installation indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions industrial plants, if additional protection is necessary against contact

CONSTRUCTION

Conductors	: Class1 or class 2 acc.to IEC 60228
Insulation	: PVC compound
Bedding	: Extruded elastomere compound
Armour	: Copper wire and copper tape
Sheath	: PVC Compound

TECHNICAL CHARACTERISTICS

CPR Class	: Eca
Rated Voltage	: 0,6/1 kV
Bending Radius	: 15D/12D
Max.conductor Temperature	: 70°C
Max.short-circuit Temperature	: 160°C

CORE IDENTIFICATION

According to HD 308 S2

Insulation Color	:
2 core	: Brown-Blue
3 core	: Brown-Black-Grey
4 core	: Blue-Brown-Black-Grey
5 core	: Green/Yellow-Blue-Brown-Black-Grey

Sheath Color :
Black
Other colours available

STANDARD

IEC 60502-1

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TWO CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
2x2,5	7,41	12,9	311	42	30
2x4	4,61	14,6	392	54	40
2x6	3,08	16,2	481	68	51
2x10	1,83	18,1	617	90	70
2x16	1,15	20,2	798	116	94
2x25	0,727	23,5	1113	150	119
2x35	0,524	26,4	1398	181	148

THREE CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
3x2,5	7,41	13,4	343	36	25
3x4	4,61	15,3	447	47	34
3x6	3,08	17,0	553	59	43
3x10	1,83	19,3	736	79	59

FOUR CORE CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
3x25+16	0,727	26,3	1548	133	106
3x35+16	0,524	28,4	1900	159	129
3x50+25	0,387	32,5	2520	188	157
3x70+35	0,268	36,0	3345	232	199
3x95+50	0,193	42,6	4545	280	246
3x120+70	0,153	46,8	5660	318	285
3x150+70	0,124	49,7	6565	359	326
3x185+95	0,0991	56,4	8425	406	374
3x240+120	0,0754	63,2	10910	473	445

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
4x2,5	7,41	14,3	390	36	25
4x4	4,61	16,4	511	47	34
4x6	3,08	18,5	652	59	43
4x10	1,83	20,8	868	79	59
4x16	1,15	23,3	1162	102	79
4x25	0,727	27,2	1665	133	106
4x35	0,524	30,0	2095	159	129
4x50	0,387	34,3	2795	188	157
4x70	0,268	39,1	3765	232	199
4x95	0,193	45,1	5115	280	246

CONTROL CABLES

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Nominal Cross-Section mm ²	Max Resistance at 20°C Ω/km	Outer Dia (Approx.) mm	Cable Weight (Approx.) kg/km	Current Capacity In Earth A	Current Capacity In Air A
7x2,5	7,41	16,3	520	23	16
10x1,5	12,1	18,2	580	14	10
10x2,5	7,41	19,8	740	18	14
14x1,5	12,1	19,4	675	12	9
14x2,5	7,41	21,4	885	16	13
19x1,5	12,1	21,4	830	11	9
19x2,5	7,41	23,4	1085	14	11

