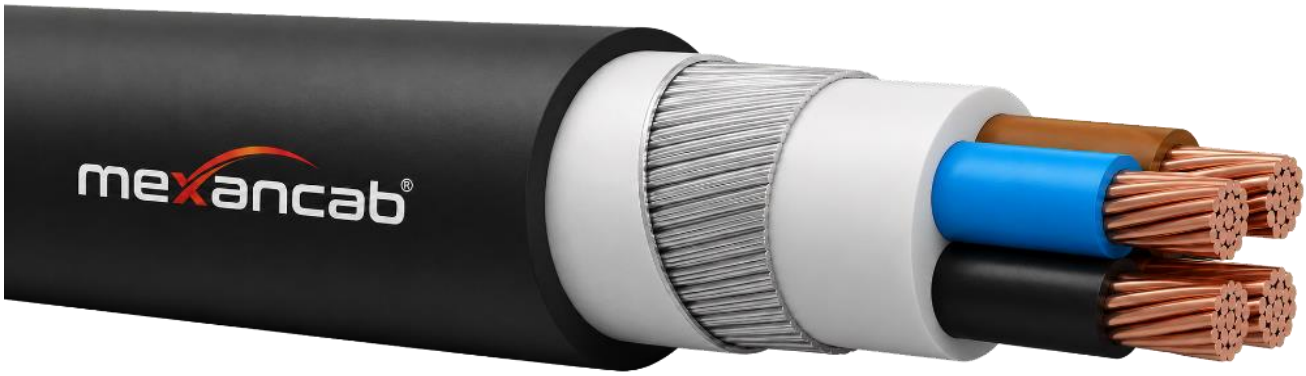

Cu/PVC/FSWA/PVC (NYFGbY-YVZ3V)

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

APPLICATION

Locations under mechanical stress, underground, in power and switching stations, industrial plants.

CONSTRUCTION

Conductors	:	Class1 or class 2 acc.to IEC 60228
Insulation	:	PVC compound
Bedding	:	Extruded elestomere compound
Armour	:	Flat Steel Wire and 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

Cu/PVC/FSWA/PVC (NYFGbY-YVZ3V)

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

TWO CORE CABLES :

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm²	Ω/km	mm	kg/km	A	A
2x10	1,83	19,1	840	90	70
2x16	1,15	21,2	1050	116	94
2x25	0,727	24,5	1420	150	119
2x35	0,268	26,6	1740	181	148
2x50	0,387	29,0	2100	252	212
2x70	0,268	33,4	2855	310	268
2x95	0,193	38,6	3790	361	331
2x120	0,153	41,8	4490	412	385
2x150	0,124	45,4	5370	464	440
2x185	0,0991	51,0	6670	525	507
2x240	0,0754	57,0	8440	608	595
				-	-

THREE CORE CABLES :

Nominal Cross-Section	Max Resistance at 20°C	Outer Dia (Approx.)	Cable Weight (Approx.)	Current Capacity In Earth	Current Capacity In Air
mm²	Ω/km	mm	kg/km	A	A
3x10	1,83	20,1	950	79	59
3x16	1,15	22,3	1240	102	79
3x25	0,727	26,2	1700	133	106
3x35	0,268	28,7	2110	159	129
3x50	0,387	32,9	2710	188	157
3x70	0,268	37	3570	232	199
3x95	0,193	42,3	4720	280	246
3x120	0,153	44,6	5630	318	285
3x150	0,124	48,9	6840	359	326
3x185	0,0991	54,5	8440	406	374
3x240	0,0754	61,3	10790	473	445

Cu/PVC/FSWA/PVC (NYFGbY-YVZ3V)

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

FOUR CORE CABLES :

Nominal Cross-Section mm²	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
3x16+10	1,15-1,83	23,5	1360	102	79
3x25+16	0,727-1,15	27,3	1900	133	106
3x35+16	0,524-1,15	29,2	2295	159	129
3x50+25	0,387-0,727	33,5	3010	188	157
3x70+35	0,268-0,524	37,4	3960	232	199
3x95+50	0,193-0,387	42,8	5200	280	246
3x120+70	0,153-0,268	47,4	6410	318	285
3x150+70	0,124-0,268	50,5	7500	359	326
3x185+95	0,0991-0,193	56,4	9320	406	374
3x240+120	0,0754-0,153	63,2	11890	473	445

FOUR CORE CABLES :

Nominal Cross-Section mm²	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
4x10	1,83	21,8	1140	79	59
4x16	1,15	24,3	1470	102	79
4x25	0,727	28,2	2055	133	106
4x35	0,268	31,00	2575	159	129
4x50	0,387	35,5	3360	188	157
4x70	0,268	39,3	4375	232	199
4x95	0,193	45,3	5875	280	246
4x120	0,153	49,5	7050	318	285
4x150	0,124	54,00	8500	359	326
4x185	0,0991	60,6	10570	406	374
4x240	0,0754	67,8	13500	473	445

Cu/PVC/FSWA/PVC (NYFGbY-YVZ3V)

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

FIVE CORE CABLES :

Nominal Cross-Section mm²	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
5x10	1,83	23,5	1340	132	118
5x16	1,15	26,2	1760	162	149
5x25	0,727	30,8	2430	196	185
5x35	0,268	33,9	3050	223	214
5x50	0,387	38,8	3970	251	245
5x70	0,268	43,2	5250	284	281
5x95	0,193	50,0	6930	331	334
5x120	0,153	54,5	8470	223	214
5x150	0,124	59,9	10310	251	245
5x185	0,0991	66,6	12700	284	281
5x240	0,0754	74,7	16300	331	334