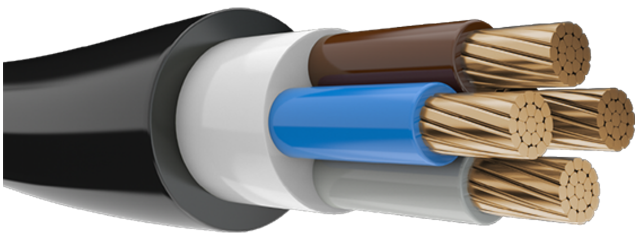
N2XY (CU/XLPE/PVC)
XLPE INSULATED PVC SHEATHED 0,6/1 kV POWER AND SIGNAL CABLES

APPLICATION

Distribution and signal power cable for static application in ground, in water, within facilities, in cable canals, in concrete, where heavier mechanical stresses are not expected, and the cable has to be protected against mechanical damages, also in conditions where cables are not exposed to heavier tensile strains. Used in electric power plants, transformer stations, industrial plants, metropolitan networks and in other electric plants where heavier current and thermal loads are expected (operating temperature of conductor up to 90 °C).



ELVARE
ELECTRICAL CABLE

STANDARDS IEC 60502-1
DIN VDE 0276-60

CONSTRUCTION

1 CONDUCTOR

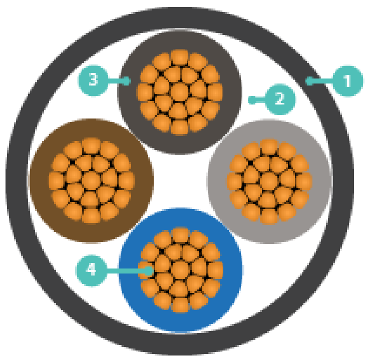
Material of conductor — Solid or stranded copper (Class 1 or Class 2)

2 INSULATION

Material of insulation — XLPE (Cross-linked polyethylene)

3 OUTER SHEATH

Material of outer sheath — PVC (Polyvinyl chloride)



TECHNICAL PROPERTIES

Min. Bending radius	12xD 15xD
Max operating temperature	90°
Max short circuit temperature	250°
Rated voltage Uo/U	0,6 /1 KV
AC test voltage	3,5 KV
Flame propagation test on single cable	EN 60332-1

TECHNICAL DATA

Rated Cross-section	Overall Diameter of Cable	Net Weight (Approx.)	Conductor DC Resistance at 20C	Current Carrying Capacity	
mm2	mm	kg	ohm/km	ampere 1	ampere 2
1 Core				In Ground	In Air
1 x 4	6,7	77	4,61	54	40
1 x 6	7,2	98	3,08	67	53
1 x 10	8,5	141	1,83	89	74
1 x 16	9,0	200	1,15	115	101
1 x 25	10,4	294	0,727	148	135
1 x 35	11,5	389	0,524	177	169
1 x 50	13,0	515	0,387	209	207
1 x 70	14,7	720	0,268	256	268
1 x 95	16,6	970	0,193	307	328
1 x 120	18,5	1214	0,153	349	383
1 x 150	20,2	1488	0,124	393	444
1 x 180	22,2	1841	0,0991	445	510
1 x 240	25,4	2396	0,0754	517	607

4 Cores				
4 x 0,75	6,80	77	26,00	6,00
4 x 1	7,40	93	19,50	10,00
4 x 1,5	8,70	131	13,30	16,00
4 x 2,5	10,50	197	7,98	20,00
4 x 4	12,00	275	13,33	18,00
5 Cores				
5 x 0,75	7,80	97	26,00	10,50
5 x 1	8,30	113	19,50	12,00
5 x 1,5	9,90	164	13,30	13,50
5 x 2,5	12,80	248	7,98	19,50
5 x 4	13,60	347	13,33	13,50