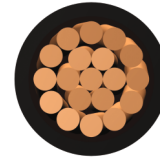




0.6/1 kV XLPE Insulated, single-core cables with copper conductor



Code: YXV-U, YXV-R, CU/XLPE/PVC, N2XY

U: Solid Conductor
R: Stranded Conductor Rigid

Standards: IEC 60502 - 1, VDE 0276 - 603

Technical Data

Max. operating temperature : 90 °C
Max. short circuit temperature : 250 °C (max. 5 sec.)
Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D
D : Cable outer diameter

Application

These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

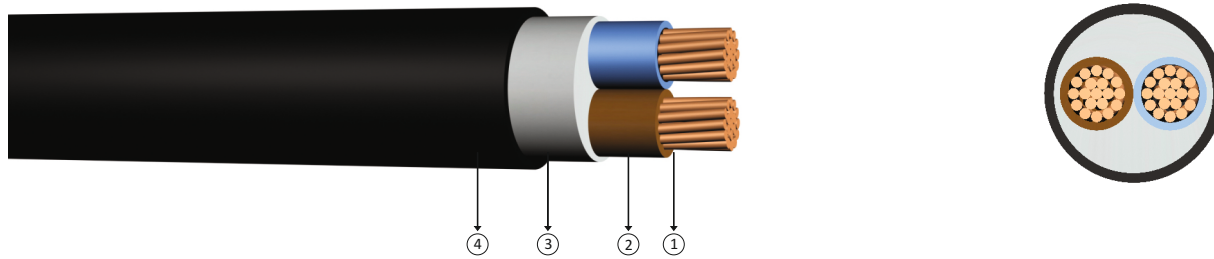
Construction

- 1 Solid or stranded copper conductor
- 2 XLPE insulation
- 3 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES					
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)			
mm ²	mm	kg/km	m	ohm/km	Toprakta 20 °C		Havada 30 °C	
					***	**	***	**
1x1,5	5,5	45	1000	12,1	39	32	32	25
1x2,5	6,0	55	1000	7,41	51	43	42	34
1x4	6,5	75	1000	4,61	66	55	56	44
1x6	7,0	90	1000	3,08	82	68	71	57
1x10	8,0	140	1000	1,83	109	90	96	77
1x16	9,0	200	1000	1,15	139	115	128	102
1x25	10,5	300	1000	0,727	179	149	173	139
1x35	11,5	400	1000	0,524	213	178	212	170
1x50	13,0	530	1000	0,387	251	211	258	208
1x70	15,0	750	1000	0,268	307	259	328	265
1x95	17,0	1000	1000	0,193	366	310	404	326
1x120	18,5	1250	1000	0,153	416	352	471	381
1x150	20,5	1550	1000	0,124	465	396	541	438
1x185	22,5	1900	1000	0,0991	526	449	626	507
1x240	25,5	2450	1000	0,0754	610	521	749	606
1x300	29,0	3000	1000	0,0601	689	587	864	697
1x400	32,0	4000	1000	0,0470	788	669	1018	816
1x500	35,5	5000	1000	0,0366	889	748	1173	933
1x630	39,0	6100	1000	0,0283	980	843	1315	1083

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
*** : Flat formation, clearance between cables; in air = 1 x Cable outer diameter, in ground = 7 cm
** : Trefoil formation
Number of system : 1

0.6 / 1 kV XLPE insulated multi-core cables with copper conductor



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Rated voltage : 0.6/1 kV
Min. bending radius : 12 x D
D : Cable outer diameter

Application

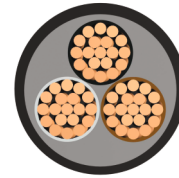
These cables have a low dielectric loss, used in indoors and outdoors, in cable ducts, underground, in power or switching stations, local energy distributions, industrial plants, where there is no risk of mechanical damage.

Construction

- 1 Solid or stranded copper conductor
- 2 XLPE insulation
- 3 Filler
- 4 PVC outer jacket

DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
2x1,5	10,5	155	1000	12,1	39	32
2x2,5	11,3	200	1000	7,41	51	42
2x4	12,3	260	1000	4,61	66	56
2x6	13,5	320	1000	3,08	82	71
2x10	15,2	460	1000	1,83	109	96
2x16	17,3	630	1000	1,15	115	125
2x25	21,5	920	1000	0,727	145	155
2x35	23,3	1150	1000	0,524	175	195
2x50	25,8	1490	1000	0,387	210	235
2x70	29,7	2050	1000	0,268	255	300
2x95	33,9	2760	1000	0,193	310	370
2x120	37,4	3400	1000	0,153	355	430
2x150	41,1	4150	1000	0,124	400	490
2x185	45,9	5200	1000	0,0991	455	570
2x240	51,5	6700	500	0,0754	530	680
2x300	56,6	8200	500	0,0601	605	785
2x400	64,0	10600	500	0,0470	690	860

Note : Current carrying capacities are valid under the following conditions;
In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
In air : 30 °C, load factor 1.0
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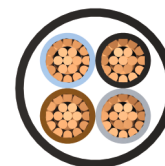
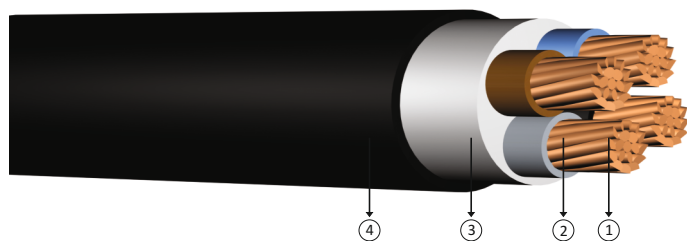
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DIMENSION AND WEIGHTS			ELECTRICAL PROPERTIES			
Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
3x1,5	11,0	180	1000	12,1	30	24
3x2,5	12,0	230	1000	7,41	40	32
3x4	13,0	300	1000	4,61	52	42
3x6	14,5	370	1000	3,08	64	53
3x10	16,0	550	1000	1,83	86	73
3x16	19,0	700	1000	1,15	111	96
3x25	22,5	1150	1000	0,727	143	130
3x35	24,5	1500	1000	0,524	173	160
3x50	27,5	1950	1000	0,387	205	195
3x70	32,0	2750	1000	0,268	252	247
3x95	36,0	3600	1000	0,193	303	305
3x120	40,0	4500	1000	0,153	346	355
3x150	44,5	5600	500	0,124	390	407
3x185	49,0	6950	500	0,0991	441	469
3x240	56,0	9000	500	0,0754	511	551
3x300	63,0	11200	250	0,0601	580	638
3x400	72,0	14750	250	0,0470	663	746

Note : Current carrying capacities are valid under the following conditions:
 In ground : 20 °C, 70 cm depth of lay, soil-thermal resistivity 1 K.m/W, load factor 0.7
 In air : 30 °C, load factor 1.0
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Nominal Cross Section	Overall Diameter (approx)	Net Weight (approx)	Delivery Length	DC Conductor Resistance at 20 °C Max	Current Carrying Capacity (A)	
mm ²	mm	kg/km	m	ohm/km	In ground at 20 °C	In air at 30 °C
4x1.5	12,0	200	1000	12,1	30	24
4x2.5	13,0	250	1000	7,41	40	32
4x4	14,0	350	1000	4,61	52	42
4x6	15,5	450	1000	3,08	64	53
4x10	17,5	630	1000	1,83	86	73
4x16	20,5	905	1000	1,15	111	96
4x25	24,5	1400	1000	0,727	143	130
4x35	27,0	1850	1000	0,524	173	160
4x50	30,5	2500	1000	0,387	205	195
4x70	35,5	3500	1000	0,268	252	247
4x95	39,5	4650	1000	0,193	303	305
4x120	44,5	5900	500	0,153	346	355
4x150	49,0	7200	500	0,124	390	407
4x185	54,5	8950	500	0,0991	441	469
4x240	62,0	11600	250	0,0754	511	551
4x300	70,0	14400	250	0,0601	580	638
4x400	80,0	19000	250	0,0470	663	746

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