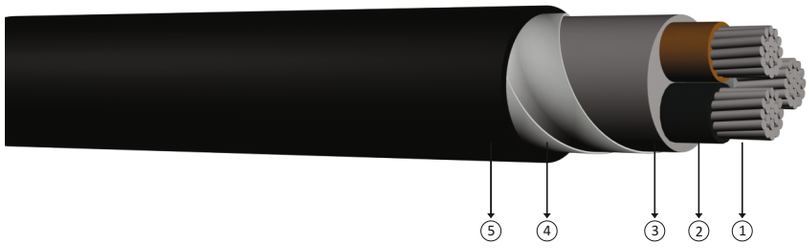
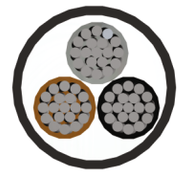
0.6/1 kV XLPE insulated, double steel tape armoured, multi-core cables with aluminium conductor





Code: YAXZ4V-R, AL/XLPE/DSTA/PVC, NA2XBY

R: Stranded Conductor Rigid

Standards: IEC 60502 - 1

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	: 15 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 risk of mechanical damage.

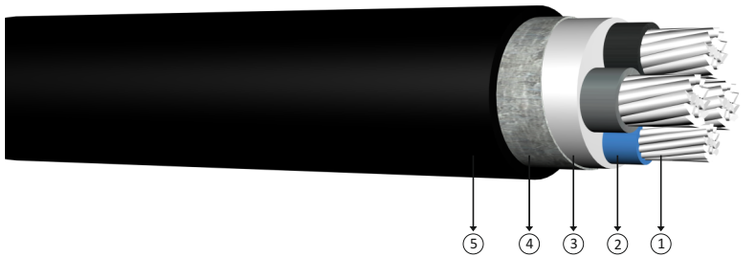
Construction

1. Stranded aluminium conductor
2. XLPE insulation
3. Filler
4. Galvanized double steel tape
5. 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
3x25	23,5	900	1000	1,20	111	100
3x35	26,0	1100	1000	0,868	132	122
3x50	30,0	1400	1000	0,641	157	147
3x70	34,5	1850	1000	0,443	195	189
3x95	38,5	2300	1000	0,320	233	232
3x120	43,0	3100	1000	0,253	266	270
3x150	48,5	3800	1000	0,206	299	308
3x185	53,0	4500	1000	0,164	340	357
3x240	59,0	5600	500	0,125	401	435
3x300	65,0	6700	500	0,100	455	501
3x400	73,5	8450	500	0,0778	526	592

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
Number of system : 1

0.6/1 kV XLPE insulated, double steel tape armoured, multi-core cables with aluminium conductor



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3x25+16	25,0	1000	1000	1,20	111	100
3x35+16	27,0	1150	1000	0,868	132	122
3x50+25	31,0	1550	1000	0,641	157	147
3x70+35	35,5	2000	1000	0,443	195	189
3x95+50	41,0	2800	1000	0,320	233	232
3x120+70	45,5	3400	1000	0,253	266	270
3x150+70	49,5	4000	1000	0,206	299	308
3x185+95	55,0	4850	1000	0,164	340	357
3x240+120	61,0	6000	500	0,125	401	435
3x300+150	67,0	7150	500	0,100	455	501
3x400+185	76,0	9000	500	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions;
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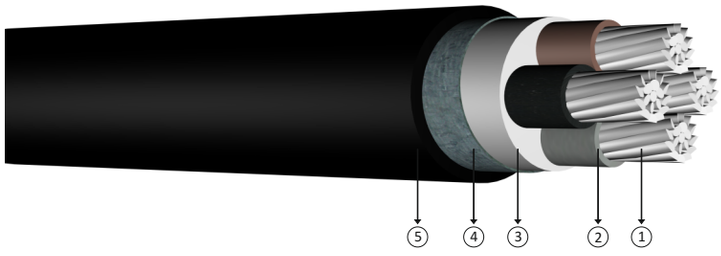

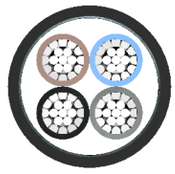

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4x35	28,5	1300	1000	0,868	132	122
4x50	33,0	1550	1000	0,641	157	147
4x70	38,0	2250	1000	0,443	195	189
4x95	43,0	3100	1000	0,320	233	232
4x120	48,0	3800	1000	0,253	266	270
4x150	53,0	4550	1000	0,206	299	308
4x185	58,5	5450	500	0,164	340	357
4x240	65,5	6800	500	0,125	401	435
4x300	72,0	8100	500	0,100	455	501
4x400	82,0	10450	250	0,0778	526	592

Note : Current carrying capacities are valid under the following conditions;
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