

## 3,6/6 kV

**XLPE INSULATED, ROUNDED ALUMINUM ROD SHIELD WITH ALUMINUM CONDUCTOR, SINGLE CORE MEDIUM VOLTAGE POWER CABLES**



**YAXC7VY2V-R (TSE)  
NA2XSYR(AL)Y (VDE)  
2AXSY(IEC)  
AI/XLPE/SC/PVC/  
AWA/PVC (BS)**

<b>Code</b>	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), AI/XLPE/SC/PVC/AWA/PVC (BS)
<b>Standards</b>	TS IEC 60502-2, VDE 0276
<b>Construction</b>	Aluminum Conductor, Inner semi-conductor, XLPE insulation, Outer Semi-Conductor, Semi-Conductor Tape, Copper Shield, Copper Helix Tape, Polyester Tape, PVC Separator Sheath, Aluminum Rounded Rod Shield, Helix Tape, PVC Outer Sheath
<b>Applications</b>	Used in Under heavy operating conditions, Underground, Power centers, Switchgear, City networks, Industrial facilities, Underground and cable channel
<b>Technical Data</b>	Max. Operating Temp. 90°C Max. Short Circuit Temp. 250°C For Max. 5 Sec Min. Bending Radius 15*D D:Cable Overall Diameter (mm)

Dimensions and Weight					Electrical Informations							
Nominal Cross Section	Overall Diameter	Net Weight	Standard Delivery Length	Standard Delivery Reel Size	Conductor DC (Max.) Resistance at 20 °C	Inductance per conductor (Appr.)		Operating Capacity (Appr.) at 20 °C	Current Carrying Capacity In (Appr.)			
(mm <sup>2</sup> )	(mm)	(kg/km)	(m)	(cm)	(ohm/km)	(mH/km)		(µF/km)	Ground (A) at 20°C		Air (A) at 30°C	
						●●●	●●		●●●	●●	●●●	●●
1x25/16 rm	25,0	700	1000	130	1,200	0,77	0,43	0,25	112	108	153	127
1x35/16 rm	26,0	750	1000	140	0,868	0,75	0,41	0,28	160	135	185	154
1x50/16 rm	27,5	850	1000	140	0,641	0,72	0,39	0,31	195	175	215	184
1x70/16 rm	29,5	950	1000	160	0,443	0,68	0,37	0,36	235	210	270	230
1x95/16 rm	31,5	1100	1000	160	0,320	0,65	0,36	0,40	280	255	325	280
1x120/16 rm	33,0	1200	1000	160	0,253	0,63	0,34	0,44	320	290	375	324
1x150/25 rm	35,5	1500	1000	180	0,206	0,62	0,33	0,48	352	320	425	368
1x185/25 rm	37,5	1650	1000	180	0,1640	0,60	0,32	0,52	400	365	485	424
1x240/25 rm	40,0	1950	1000	200	0,1250	0,57	0,30	0,57	460	425	570	502
1x300/25 rm	43,0	2250	1000	220	0,1000	0,56	0,29	0,60	515	475	645	585
1x400/35 rm	48,0	2950	1000	230	0,0788	0,55	0,28	0,63	570	540	735	660
1x500/35 rm	52,5	3400	1000	240	0,0605	0,53	0,27	0,67	630	610	830	745
1x630/35 rm	56,0	3950	1000	260	0,0469	0,51	0,26	0,70	720	690	955	850

rm : Stranded Conductor