

## 12/20 kV

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



**YAXC7VY2V-R (TSE)**  
**NA2XSYR(AL)Y (VDE)**  
**Al/XLPE/SC/PVC/**  
**AWA/PVC (BS)**

<b>Code</b>	YAXC7VY2V-R (TSE), NA2XSYR(AL)Y (VDE), Al/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		
						●●●	●●		●●●	●●	●●●	●●	
1x35/16 rm	32,5	1050	1000	160	0,868	0,75	0,44	0,16	160	135	185	154	
1x50/16 rm	34,5	1200	1000	160	0,641	0,73	0,43	0,17	195	175	215	184	
1x70/16 rm	36,5	1350	1000	160	0,443	0,70	0,40	0,19	235	210	270	230	
1x95/16 rm	38,5	1500	1000	160	0,320	0,67	0,38	0,22	280	255	325	280	
1x120/16 rm	40,0	1650	1000	180	0,253	0,65	0,37	0,24	320	290	375	324	
1x150/25 rm	41,5	1900	1000	180	0,206	0,63	0,35	0,26	352	320	425	368	
1x185/25 rm	43,5	2100	1000	200	0,1640	0,61	0,34	0,28	400	365	485	424	
1x240/25 rm	47,0	2550	1000	220	0,1250	0,59	0,33	0,30	460	425	570	502	
1x300/25 rm	50,0	2850	1000	220	0,1000	0,57	0,32	0,33	515	475	645	565	
1x400/35 rm	53,5	3400	1000	230	0,0788	0,55	0,31	0,37	570	540	735	660	
1x500/35 rm	57,0	3850	1000	240	0,0605	0,53	0,30	0,41	630	610	830	745	
1x630/35 rm	61,0	4450	1000	260	0,0469	0,51	0,29	0,45	720	690	945	850	

rm : Stranded Conductor