

U_o/U(U_m)=18/30(36)KV-THREE-CORE CABLE- UNARMoured

COPPER CONDUCTORS/ 8 mm XLPE INSULATION THICKNESS / PVC SHEATHED-90°C

Nominal cross-sectional area	Overall diameter Φ approx	Net weight approx	Max resistance		Current carrying capacity		short circuit current of conductor for 1 sec.	Capacitance	Inductance	Voltage drop at 50 HZ cos.φ 0.8
			DC at 20°C	AC at 90°C	Ground at 35°C Direct laid	Air at 40°C free			trefoil	trefoil
mm ²	mm	kg/km	Ω/KM	Ω/KM	Amp	Amp	ka/km	µf/km	mh/km	V/A/km
3X50	66.9	4502	0.387	0.494	190	200	7.15	0.133	0.396	0.686
3X70	71.0	5472	0.268	0.342	230	250	10.01	0.148	0.375	0.519
3X95	75.0	6420	0.193	0.247	285	300	13.59	0.163	0.359	0.413
3X120	78.2	7348	0.153	0.196	325	355	17.16	0.174	0.348	0.355
3X150	80.7	8392	0.124	0.159	350	400	21.45	0.184	0.340	0.313
3X185	85.1	9623	0.0991	0.1275	400	450	26.46	0.199	0.329	0.275
3X240	90.9	11730	0.0754	0.0975	450	540	34.32	0.220	0.316	0.239
3X300	96.2	13794	0.0601	0.0800	500	600	42.90	0.239	0.306	0.216
3X400	102.5	17064	0.0470	0.0630	550	690	57.20	0.261	0.296	0.194

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ALUMINIUM CONDUCTORS/8 mm XLPE INSULATION THICKNESS / PVC SHEATHED-90°C

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			DC at 20°C	AC at 90°C	Ground at 35°C Direct laid	Air at 40°C free			trefoil	trefoil
mm ²	mm	kg/km	Ω /KM	Ω /KM	Amp	Amp	ka/km	μ f/km	mh/km	V/A/km
3X50	66.9	3635	0.641	0.822	155	160	4.60	0.133	0.396	1.027
3X70	71.0	4145	0.443	0.569	190	200	6.44	0.148	0.375	0.755
3X95	75.0	4680	0.320	0.411	215	240	8.74	0.163	0.359	0.583
3X120	78.2	5158	0.253	0.325	250	275	11.04	0.174	0.348	0.489
3X150	80.7	5650	0.206	0.265	265	300	13.80	0.184	0.340	0.423
3X185	85.1	6290	0.1640	0.2110	320	360	17.02	0.199	0.329	0.362
3X240	90.9	7267	0.1250	0.1620	370	430	22.08	0.220	0.316	0.306
3X300	96.2	8252	0.1000	0.1300	420	490	27.60	0.239	0.306	0.268
3X400	102.5	9871	0.0778	0.1000	470	550	36.80	0.261	0.296	0.233