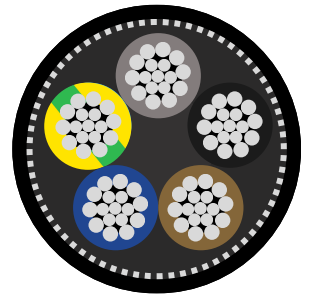




NA2XRY - 0.6/1kV

XLPE SWA PVC IEC 60502-1



DESCRIPTION

Conductor: Class 2 Stranded Aluminium Conductor, **Insulation:** XLPE (Cross-Linked Polyethylene), **Filler:** PVC (Polyvinyl Chloride), **Metallic Screen:** Single core: AWA (Aluminium wire armour), All other sizes: SWA (Galvanised round steel wire), **Sheath:** PVC (Polyvinyl Chloride) in Black.

APPLICATION

Suitable for underground installations, the cable is designed to withstand mechanical stress and harsh operating conditions. Its high maximum permissible conductor temperature also makes it ideal for use in comparatively high ambient temperatures.

TECHNICAL DATA

Voltage Rating Uo/U:	0.6/1kV
Temp. Range:	Fixed: -5°C to +90°C
Min. Bend. Radius:	15 x OD
Standards:	Generally to BS 5467, IEC 60502-1 Flame Retardant acc. to IEC/EN 60332-1-2

No. Cores	Core Colours
2	Blue Brown
3	Brown Black Grey
4	Blue Brown Black Grey
5	Green/Yellow Blue Brown Black Grey

TDS 1 OF 3



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No. of Cores	Nom. CSA	Nom. Insulation Thickness	Nom. Outer Sheath Thickness	Nom. OD	Nom. Weight	Max. Cond. DC Res. at 20	Max. Cond. AC Res. at 50Hz	Conductor S.C.C for 1s	Current Rating A		
	mm²	mm	mm	mm	Kg/Km	Ω/Km	Ω/Km	kA	In Ground	In Duct	In Free Air
1	70	1.1	1.3	19.6	525	0.443	0.565	6.61	220	171	236
1	95	1.1	1.3	21.1	620	0.32	0.408	8.98	262	205	288
1	120	1.2	1.3	22.7	730	0.253	0.323	11.34	298	235	333
1	150	1.4	1.4	26.2	935	0.206	0.263	14.17	333	265	378
1	185	1.6	1.5	27.7	1085	0.164	0.209	17.48	376	301	436
1	240	1.7	1.5	30.3	1310	0.125	0.159	22.68	433	352	516
1	300	1.8	1.6	33	1560	0.1	0.128	28.35	487	401	592
1	400	2	1.7	36.9	1995	0.0778	0.099	37.79	549	459	688
1	500	2.2	1.7	40.3	2375	0.0605	0.077	47.24	619	526	795
1	630	2.4	1.8	44.8	2963	0.0469	0.06	59.52	693	598	911
2	25	0.9	1.3	23.2	850	1.2	1.53	3.58	139	103	131
2	35	0.9	1.4	26.4	1165	0.868	1.107	5.01	167	123	160
2	50	1	1.6	29.8	1390	0.641	0.817	7.15	199	148	195
2	70	1.1	1.7	34.3	1925	0.443	0.565	10.02	243	184	244
2	95	1.1	1.7	37.3	2270	0.32	0.408	13.59	292	222	300
2	150	1.4	1.8	45.9	2945	0.206	0.263	21.46	372	288	394
2	185	1.6	2	50	3990	0.164	0.209	26.47	420	332	455
2	240	1.7	2.1	55.4	4760	0.125	0.159	34.34	487	387	537
2	300	1.8	2.1	60.8	5600	0.1	0.128	42.93	590	475	586
3	25	0.9	1.4	25.4	1100	1.2	1.53	2.36	112	84	108
3	35	0.9	1.5	28	1300	0.868	1.107	3.31	135	101	131
3	50	1	1.5	28.1	1370	0.641	0.817	4.72	161	120	157
3	70	1.1	1.6	31.6	1700	0.443	0.565	6.61	199	149	199
3	95	1.1	1.7	35.6	2215	0.32	0.408	8.98	238	180	242
3	120	1.2	1.8	39	2610	0.253	0.323	11.34	271	207	282
3	150	1.4	1.9	43.1	3485	0.206	0.263	14.17	302	235	319
3	185	1.6	2	47.1	4065	0.164	0.209	17.48	342	268	367
3	240	1.7	2.1	52	4900	0.125	0.159	22.68	396	313	433
3	300	1.8	2.2	57.1	5750	0.1	0.128	28.35	445	356	496
3	400	2	2.4	64.3	7105	0.0778	0.99	37.79	509	412	578

ALL FIGURES QUOTED ARE APPROXIMATE

TDS 2 OF 3

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No. of Cores	Nom. CSA	Nom. Insulation Thickness	Nom. Outer Sheath Thickness	Nom. OD	Nom. Weight	Max. Cond. DC Res. at 20	Max. Cond. AC Res. at 50Hz	Conductor S.C.C for 1s	Current Rating A		
	mm²	mm	mm	mm	Kg/Km	Ω/Km	Ω/Km	kA	In Ground	In Duct	In Free Air
4	25	0.9	1.4	27.4	1265	1.2	1.53	3.58	114	86	110
4	35	0.9	1.5	30.3	1520	0.868	1.107	5.01	137	104	135
4	50	1	1.6	31.8	1655	0.641	0.817	7.15	166	124	164
4	70	1.1	1.7	36.6	2320	0.443	0.565	10.02	203	155	208
4	95	1.1	1.8	39.3	2755	0.32	0.408	13.59	243	185	253
4	120	1.2	1.9	44.4	3635	0.253	0.323	17.17	276	215	294
4	150	1.4	2	48.9	4280	0.206	0.263	21.46	310	243	336
4	185	1.6	2.1	53.7	5025	0.164	0.209	26.47	351	278	386
4	240	1.7	2.2	59.7	6105	0.125	0.159	34.34	405	326	454
4	300	1.8	2.4	65.3	7315	0.1	0.128	42.93	456	369	520
5	25	0.9	1.5	29.7	1530	1.2	1.53	3.58	114	86	110
5	35	0.9	1.6	32.9	1830	0.868	1.107	5.01	137	104	135
5	50	1	1.7	37.8	2535	0.641	0.817	7.15	166	124	164
5	70	1.1	1.8	43	3250	0.443	0.565	10.02	203	155	208

ALL FIGURES QUOTED ARE APPROXIMATE

E&OE. Manufacturers reserve the right to amend the specification without prior notice.

TDS 3 OF 3

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