



NA2XS(F)2Y - 18/30(36)kV

Medium Voltage Cable



DESCRIPTION

Conductor: Stranded Aluminium Conductor according to IEC 60228 Class 2, **Conductor Screen:** Extruded Inner Semi Conductor, **Insulation:** Cross Linked Polyethylene according to HD 620 S2, **Insulation Screen:** Extruded Outer Semi Conductor, **Semi Conductive water blocking Tape Before Screen:** Applied, **Screen:** Copper wires with Open Helix Copper Tape Screen, **Non Conductive water blocking Tape After Screen:** Applied, **Sheath:** PE acc. to HD 620 S2 (compound type DMP2).

APPLICATION

TECHNICAL DATA

These cables are designed for use in distribution networks at medium voltage, as well as for linking generation units and facilitating connections within plants and processes.

They can be installed directly in the ground, outdoor environments, indoor spaces, and cable ducts. The inclusion of a swellable tape enhances their resistance to water, ensuring that the cable remains impermeable along its length and effectively stops the spread of water.

Voltage Rating U₀/U_m): 18/30(36) kV
Test Voltage: 63kV AC 50Hz (5 mins)

Temp. Rating: -20°C to +60°C
Maximum conductor operating temperature: +250°C
Permissible Short Circuit Temp up to 5secs: +90°C

Standards: IEC 60502-2, IEC 60228,
UV Resistant: ISO 4892-3
Abrasion and Tear Resistant: EN 60229-4.1 Impact rated to:
AG2 EN 60364-5.51

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No. of Cores	Cond. Size	Cond. Dia.	Cond. Resistance	Insulation Wall Thickness	Ampacity in Air (30°C)	Ampacity in Ground (20°C)	S.C.C 1s	Wall Thickness of Sheath	Bend. Radius (Fixed)	Approx. OD	Tensile Strength (During Installation)	Alu. Weight.	Copper Weight	Net Weight
	mm²	mm	Ω/Km	mm	A	A	kA	mm	mm	mm	N	Kg/Km	Kg/Km	Kg/Km
1	50/16	8.6	0.641	8	187	174	4.7	2.1	510	34	1500	145	182	998
1	70/16	10.2	0.443	8	232	213	6.58	2.1	540	36	2100	203	182	1128
1	95/16	12	0.32	8	282	254	8.93	2.1	555	37	2850	276	182	1255
1	95/35	12	0.32	8	282	254	8.93	2.1	563	37.5	2850	396	396	1420
1	120/16	13.5	0.253	8	325	289	11.3	2.1	585	39	3600	348	182	1375
1	120/35	13.5	0.253	8	325	289	11.3	2.1	585	39	3600	348	396	1560
1	150/25	15	0.206	8	367	322	14.1	2.1	600	40	4500	435	283	1573
1	150/35	15	0.206	8	367	322	14.1	2.1	608	40.5	4500	435	396	1670
1	185/25	16.8	0.164	8	421	364	17.4	2.1	630	42	5550	537	283	1740
1	185/35	16.8	0.164	8	421	364	17.4	2.1	630	42	5550	537	396	1825
1	240/25	19.2	0.125	8	496	422	22.6	2.1	660	44	7200	696	283	1979
1	300/25	21.6	0.1	8	568	476	28.6	2.1	705	47	9000	870	283	2221
1	300/35	21.6	0.1	8	568	476	28.6	2.1	690	46	9000	870	396	2285
1	400/35	24.6	0.0778	8	659	541	37.6	2.1	750	50	12000	1160	394	2674
1	500/35	27.6	0.0605	8	764	616	47	2.1	795	53	15000	1450	394	3132
1	500/50	27.6	0.0605	8	764	616	47	2.1	818	54.5	15000	1450	565	3310
1	630/35	32.5	0.0469	8	890	675	59.2	2.1	900	60	18900	1827	394	3668
1	800/35	37.6	0.0367	8	1015	750	75.2	2.4	975	65	24000	2320	394	4367
1	1000/35	38.5	0.0291	8	1135	820	94.5	2.4	990	66	30000	2900	394	4800
1	300/25*	21.6	0.1	8	568	476	28.6	3	705	47	9000	870	283	2200

ALL FIGURES QUOTED ARE APPROXIMATE

*= Reinforced Sheath 3.0mm

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

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