NA2XS2Y 12/20KV Medium Voltage XLPE PE Power Cable

Description

Overview

Medium voltage power cables for fixed installations. Cables can be fixed on cable trays, within conduits or fixed to walls. This cable is not suitable for direct burial.

Key Features

Voltage Rating
12/20 (24kV)

Temperature Limits
Temperature Range: 0°C to +90°C

Core Colours

Should not be installed at temperatures below 0°C

Standards

Construction

- **Insulation**: Cross Linked polyethylene (XLPE)
- **Sheath**: Polyethylene (PE)

QA Lab

Cleveland Cable Test & Training Lab
Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.

CPR
Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.

Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.

ecovadis
Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance

NA2XS2Y 12/20KV Medium Voltage XLPE PE Power Cable - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Stranding(mm)	Overall Diameter(mm)	Weight(Kg/Km)
12/20KVNA2XS2Y1X50	50	1	19/1.78	33	820
12/20KVNA2XS2Y1X70	70	1	19/2.14	35	930
12/20KVNA2XS2Y1X95	95	1	19/2.52	36	1050
12/20KVNA2XS2Y1X120	120	1	37/2.03	38	1150
12/20KVNA2XS2Y1X150	150	1	37/2.03	39	1350
12/20KVNA2XS2Y1X185	185	1	37/2.25	41	1500
12/20KVNA2XS2Y1X240	240	1	37/2.52	44	1750

NA2XS2Y 12/20KV POWER CABLE ELECTRIC CHARACTERISTICS

CONDUCTOR SIZE	REFERENCE METHOD A ENCLOSED IN CONDUIT THERMALLY INSULATING WALL ETC		REFERENCE METHOD B ENCLOSED IN CONDUIT ON A WALL OR IN TRUNKING ETC		REFERENCE METHOD C CLIPPED DIRECT		REFERENCE METHOD F IN FREE AIR ON A PERFORATED CABLE TRAY				
							TOUCHING			SPACED BY ONE DIAMETER	
	2 CABLES, SINGLE - PHASE AC OR DC	3 OR 4 CABLES, 3 PHASE AC	2 CABLES, SINGLE - PHASE AC OR DC	3 OR 4 CABLES, 3 PHASE AC OR DC	2 CABLES, SINGLE - PHASE AC OR DC FLAT AND TOUCHING	3 OR 4 CABLES, 3 PHASE AC FLAT AND TOUCHING OR TREFOIL	2 CABLES, SINGLE - PHASE AC OR DC FLAT	3 CABLES, 3 PHASE AC FLAT	3 CABLES, 3 PHASE AC TREFOIL	2 CABLES, SINGLE PHASE AC OR DC OR 3 CABLES 3 PHASE AC FLAT	
										HORIZONTAL	VERTICAL
(MM^2)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)	(A)
25	80	73	101	89	114	104	131	114	110	146	130
35	99	89	125	110	141	129	162	143	137	181	162
50	119	108	151	134	182	167	196	174	167	219	197
70	151	136	192	171	234	214	251	225	216	281	254
95	182	164	232	207	284	261	304	275	264	341	311
120	278	249	354	312	413	379	437	400	383	500	454
150	318	285	393	342	476	436	504	464	444	577	527
185	362	324	449	384	545	500	575	533	510	661	605
240	424	380	528	450	644	590	679	634	607	781	719
300	486	435	603	514	743	681	783	736	703	902	833
400	–	–	683	584	868	793	940	868	823	1,085	1,008
500	–	–	783	666	990	904	1,083	998	946	1,253	1,169
630	–	–	900	764	1,130	1,033	1,254	1,151	1,088	1,454	1,362
800	–	–	–	–	1,288	1,179	1,358	1,275	1,214	1,581	1,485
1,000	–	–	–	–	1,443	1,323	1,520	1,436	1,349	1,775	1,671

NA2XS2Y 12/20KV POWER CABLE ELECTRIC CHARACTERISTICS

CONDUCTOR SIZE	2 CABLES DC	2 CABLES SINGLE-PHASE AC						3 OR 4 CABLES THREE-PHASE AC								
		MVA/M						MV/A/M								
		REFERENCE METHODS A & B ENCLOSED IN CONDUIT ON A WALL OR IN TRUNKING ETC						REFERENCE METHODS C, F AND G CLIPPED DIRECT, ON TRAY OR IN FREE AIR								
		CABLES TOUCHING			CABLES SPACED			CABLES TOUCHING, TREFOIL			CABLES TOUCHING, FLAT			CABLES SPACED		
MM²	MV/A/M	r	x	z	r	x	z	r	x	z	r	x	z	r	x	z
35	1.25	1.25	0.2	1.25	1.25	0.28	1.3	1.1	0.17	1.1	1.1	0. 24	1.1	1.1	0.32	1.15
50	0.93	0.93	0.19	0.95	0.93	0.28	0.97	0.8	0.17	0.82	0.8	0. 24	0.84	0.8	0.32	0.86
70	0.63	0.63	0.185	0.66	0.63	0.27	0.69	0.55	0.16	0. 57	0.55	0. 24	0.6	0.55	0. 31	0.63
95	0.46	0. 47	0.18	0.5	0. 47	0.27	0.54	0. 41	0.16	0.43	0. 41	0.23	0. 47	0.4	0. 31	0. 51
120	0.36	0.37	0.18	0.41	0.37	0.26	0.45	0.32	0.15	0.36	0.32	0.23	0.4	0.32	0.3	0.44
150	0.32	0.32	0.165	0.36	0.32	0.25	0.41	0.28	0.14	0.31	0.28	0.165	0.32	0.28	0.24	0.37
185	0.25	0.26	0.165	0.3	0.25	0.25	0.36	0.22	0.14	0.26	0.22	0.165	0.28	0.22	0.24	0.33
240	0.19	0.2	0.16	0.25	0.195	0.25	0.31	0.17	0.14	0.22	0.17	0.165	0.24	0.17	0.24	0.29
300	0.155	0.16	0.16	0.22	0.155	0.25	0.29	0.14	0.14	0.195	0.135	0.16	0.21	0.135	0.24	0.27
500	0.093	0.125	0.17	210	0.165	0. 24	0.29	0.105	0.145	0.18	0.145	0.2	0.25	0.19	0.24	0. 31
630	0.073	0.105	0.165	0.195	0.15	0.23	0.27	0.092	0.145	0.17	0.135	0.195	0. 24	0.175	0.23	0.29