NAYCWY

Low Voltage Cables

DESCRIPTION

The NAYCWY cable is a shielded low-voltage cable with an aluminium conductor and a concentric copper conductor. It has been specifically developed for applications requiring additional protection against contact voltages - such as in industrial networks, local grids, or power distribution systems.

TECHNICAL DATA

Bending radius (mm)	15/12xD mm	**CPR class**	Eca
Maximal operating conductor temperature (°C)	70 °C	**Maximal short-circuit temperature (°C)**	160 °C
Minimal storage temperature (°C)	-35 °C	**Minimal temperature for laying (°C)**	-5 °C
Operating temperature range (°C)	-35-+70 °C	**Rated voltage (kV)**	0.6/1 kV
Self-extinguishing of single cable	IEC 60332-1-2	**Test voltage (kV)**	4 kV

CROSS-SECTION DATA — 0.6/1 kV

Voltage	0.6/1 kV	**Test voltage**	4 kV
Operating temperature range	-35-+70 °C	**Conductor temperature (max.)**	70 °C
Short-circuit temperature (max.)	160 °C	**Minimum laying temperature**	-5 °C
Minimum storage temperature	-35 °C	**CPR class**	Eca
Flame retardant	IEC 60332-1-2		

Cores & CS	Cond.	Shape	Rl [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
2x16/16	Al	RE	1.91	1	1.8	12xD	21	651
3x16/16	Al	RE	1.91	1	1.8	12xD	22	710
3x25/16	Al	RMV	1.2	1.2	1.8	12xD	26	969
3x25/25	Al	RMV	1.2	1.2	1.8	12xD	26	1028
3x35/16	Al	RMV	0.868	1.2	1.8	12xD	28	1173
3x35/16	Al	SM	0.868	1.2	1.8	12xD	26	1034
3x35/35	Al	RE	0.868	1.2	1.8	12xD	28	1235
3x35/35	Al	SM	0.868	1.2	1.8	12xD	26	1139
3x50/25	Al	SM	0.641	1.4	1.9	12xD	29	1309
3x50/50	Al	SE	0.641	1.4	1.9	12xD	28	1377
3x50/50	Al	SM	0.641	1.4	1.9	12xD	29	1441
3x70/35	Al	SM	0.443	1.4	2	12xD	33	1740
3x70/70	Al	SE	0.443	1.4	2	12xD	34	1881
3x70/70	Al	SM	0.443	1.4	2	12xD	34	1948
3x95/50	Al	SM	0.32	1.6	2.2	12xD	38	2243
3x95/95	Al	SM	0.32	1.6	2.2	12xD	38	2529
3x120/70	Al	SM	0.253	1.6	2.3	12xD	41	2699
3x120/120	Al	SE	0.253	1.6	2.3	12xD	40	2915
3x120/120	Al	SM	0.253	1.6	2.3	12xD	41	3011
3x150/70	Al	SM	0.206	1.8	2.4	12xD	46	3242
3x150/150	Al	SE	0.206	1.8	2.4	12xD	44	3531
3x150/150	Al	SM	0.206	1.8	2.4	12xD	46	3674
3x185/95	Al	SM	0.164	2	2.6	12xD	50	3925
3x185/185	Al	SE	0.164	2	2.6	12xD	48	4313

3x185/185	Al	SM	0.164	2	2.6	12xD	50	4492
3x240/120	Al	SM	0.125	2.2	2.8	12xD	56	5018
4x16/10	Al	RE	1.91	1	1.8	12xD	24	802
4x16/16	Al	RE	1.91	1	1.8	12xD	24	808
4x25/16	Al	RE	1.2	1.2	1.8	12xD	27	1090
4x25/16	Al	RMV	1.2	1.2	1.8	12xD	28	1141
4x35/16	Al	RE	0.868	1.2	1.8	12xD	30	1327
4x35/16	Al	SM	0.868	1.2	1.8	12xD	28	1253
4x50/25	Al	SM	0.641	1.4	2	12xD	33	1691
4x50/35	Al	SE	0.641	1.4	2	12xD	31	1637
4x70/35	Al	SE	0.443	1.4	2.1	12xD	35	2012
4x70/35	Al	SM	0.443	1.4	2.1	12xD	36	2125
4x95/50	Al	SE	0.32	1.6	2.3	12xD	39	2631
4x95/50	Al	SM	0.32	1.6	2.3	12xD	41	2760
4x95/95	Al	SM	0.32	1.6	2.3	12xD	42	3047
4x120/70	Al	SE	0.253	1.6	2.4	12xD	44	3280
4x120/70	Al	SM	0.253	1.6	2.4	12xD	46	3407
4x150/70	Al	SE	0.206	1.8	2.6	12xD	48	3870
4x150/70	Al	SM	0.206	1.8	2.6	12xD	51	4062
4x150/120	Al	SM	0.206	1.8	2.6	12xD	51	4297
4x150/150	Al	SE	0.206	1.8	2.6	12xD	48	4263
4x150/150	Al	SM	0.206	1.8	2.6	12xD	51	4455
4x185/95	Al	SE	0.164	2	2.8	12xD	53	4775
4x185/95	Al	SM	0.164	2	2.8	12xD	56	4995
4x240/120	Al	SM	0.125	2.2	3	12xD	62	6235