



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	Colour of insulation	HD 308 S2
Colour of sheath	black	Conductor	AL
CPR class	Eca	CUScreen	Yes
Insulation	PVC	Maximal operating conductor temperature (°C)	70
Maximal short-circuit temperature (°C)	160	Minimal storage temperature (°C)	-35
Minimal temperature for laying (°C)	-5	Operating temperature range (°C)	-35-+70
Packaging	cable drums	Rated voltage (kV)	0.6/1
RoHS/REACH	yes/yes	Self-extinguishing of single cable	IEC 60332-1-2
Sheath	PVC	Test voltage (kV)	4



NAYCWY

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

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
2x16/16	Al	~17.4	1.91	1	1.8	12xD	21	651
3x16/16	Al	~18.4	1.91	1	1.8	12xD	22	710
3x25/16	Al	~22.4	1.2	1.2	1.8	12xD	26	969
3x25/25	Al	~22.4	1.2	1.2	1.8	12xD	26	1028
3x35/16	Al	~24.4	0.868	1.2	1.8	12xD	28	1173
3x35/16	Al	~22.4	0.868	1.2	1.8	12xD	26	1034
3x35/35	Al	~24.4	0.868	1.2	1.8	12xD	28	1235
3x35/35	Al	~22.4	0.868	1.2	1.8	12xD	26	1139
3x50/25	Al	~25.2	0.641	1.4	1.9	12xD	29	1309
3x50/50	Al	~24.2	0.641	1.4	1.9	12xD	28	1377
3x50/50	Al	~25.2	0.641	1.4	1.9	12xD	29	1441
3x70/35	Al	~29	0.443	1.4	2	12xD	33	1740
3x70/70	Al	~30	0.443	1.4	2	12xD	34	1881
3x70/70	Al	~30	0.443	1.4	2	12xD	34	1948
3x95/50	Al	~33.6	0.32	1.6	2.2	12xD	38	2243
3x95/95	Al	~33.6	0.32	1.6	2.2	12xD	38	2529
3x120/70	Al	~36.4	0.253	1.6	2.3	12xD	41	2699
3x120/120	Al	~35.4	0.253	1.6	2.3	12xD	40	2915
3x120/120	Al	~36.4	0.253	1.6	2.3	12xD	41	3011
3x150/70	Al	~41.2	0.206	1.8	2.4	12xD	46	3242
3x150/150	Al	~39.2	0.206	1.8	2.4	12xD	44	3531
3x150/150	Al	~41.2	0.206	1.8	2.4	12xD	46	3674
3x185/95	Al	~44.8	0.164	2	2.6	12xD	50	3925
3x185/185	Al	~42.8	0.164	2	2.6	12xD	48	4313
3x185/185	Al	~44.8	0.164	2	2.6	12xD	50	4492



NAYCWY

Designation	Cond.	DI [mm]	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	Ø [mm]	G [kg/km]
3x240/120	Al	~50.4	0.125	2.2	2.8	12xD	56	5018
4x16/10	Al	~20.4	1.91	1	1.8	12xD	24	802
4x16/16	Al	~20.4	1.91	1	1.8	12xD	24	808
4x25/16	Al	~23.4	1.2	1.2	1.8	12xD	27	1090
4x25/16	Al	~24.4	1.2	1.2	1.8	12xD	28	1141
4x35/16	Al	~26.4	0.868	1.2	1.8	12xD	30	1327
4x35/16	Al	~24.4	0.868	1.2	1.8	12xD	28	1253
4x50/25	Al	~29	0.641	1.4	2	12xD	33	1691
4x50/35	Al	~27	0.641	1.4	2	12xD	31	1637
4x70/35	Al	~30.8	0.443	1.4	2.1	12xD	35	2012
4x70/35	Al	~31.8	0.443	1.4	2.1	12xD	36	2125
4x95/50	Al	~34.4	0.32	1.6	2.3	12xD	39	2631
4x95/50	Al	~36.4	0.32	1.6	2.3	12xD	41	2760
4x95/95	Al	~37.4	0.32	1.6	2.3	12xD	42	3047
4x120/70	Al	~39.2	0.253	1.6	2.4	12xD	44	3280
4x120/70	Al	~41.2	0.253	1.6	2.4	12xD	46	3407
4x150/70	Al	~42.8	0.206	1.8	2.6	12xD	48	3870
4x150/70	Al	~45.8	0.206	1.8	2.6	12xD	51	4062
4x150/120	Al	~45.8	0.206	1.8	2.6	12xD	51	4297
4x150/150	Al	~42.8	0.206	1.8	2.6	12xD	48	4263
4x150/150	Al	~45.8	0.206	1.8	2.6	12xD	51	4455
4x185/95	Al	~47.4	0.164	2	2.8	12xD	53	4775
4x185/95	Al	~50.4	0.164	2	2.8	12xD	56	4995
4x240/120	Al	~56	0.125	2.2	3	12xD	62	6235