



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

TECHNICAL DATA

AL / CU	Copper screen
AL	Yes
CPR class	Flame retardant
Eca	IEC 60332-1-2
Insulation	Insulation color
PVC	HD 308 S2
Max operating temp	Max short-circuit temp
70	160
Min laying temp	Min storage temp
-5	-35
Operating temp range	Packaging
-35 - +70	cable drums
Rated voltage	Rbv
0.6/1	15xD (Single core); 12xD (Multi core)
RoHS/REACH	Sheath
yes/yes	PVC
Sheath color	Test voltage
black	4



NAYCWY

CROSS-SECTION DATA — 0.6/1 kV

Cores & cross-section	RI [Ohm/km]	Wi [mm]	Wm [mm]	Rbv [mm]	AL / CU	G [kg/km]	Iso	Sh	T _{op_max} [C]	T _{sc_max} [C]	T _{range} [C]	T _{st_min} [C]	T _{lay_m}
2x16/16	1.91	1	1.8	12xD	AL	0.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x16/16	1.91	1	1.8	12xD	AL	0.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x25/16	1.2	1.2	1.8	12xD	AL	1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x25/25	1.2	1.2	1.8	12xD	AL	1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x35/16	0.868	1.2	1.8	12xD	AL	1.2k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x35/16	0.868	1.2	1.8	12xD	AL	1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x35/35	0.868	1.2	1.8	12xD	AL	1.2k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x35/35	0.868	1.2	1.8	12xD	AL	1.1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x50/25	0.641	1.4	1.9	12xD	AL	1.3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x50/50	0.641	1.4	1.9	12xD	AL	1.4k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x50/50	0.641	1.4	1.9	12xD	AL	1.4k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x70/35	0.443	1.4	2	12xD	AL	1.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x70/70	0.443	1.4	2	12xD	AL	1.9k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x70/70	0.443	1.4	2	12xD	AL	1.9k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x95/50	0.32	1.6	2.2	12xD	AL	2.2k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x95/95	0.32	1.6	2.2	12xD	AL	2.5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x120/70	0.253	1.6	2.3	12xD	AL	2.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x120/120	0.253	1.6	2.3	12xD	AL	2.9k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x120/120	0.253	1.6	2.3	12xD	AL	3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x150/70	0.206	1.8	2.4	12xD	AL	3.2k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x150/150	0.206	1.8	2.4	12xD	AL	3.5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x150/150	0.206	1.8	2.4	12xD	AL	3.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x185/95	0.164	2	2.6	12xD	AL	3.9k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x185/185	0.164	2	2.6	12xD	AL	4.3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x185/185	0.164	2	2.6	12xD	AL	4.5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
3x240/120	0.125	2.2	2.8	12xD	AL	5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x16/10	1.91	1	1.8	12xD	AL	0.8k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x16/16	1.91	1	1.8	12xD	AL	0.8k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x25/16	1.2	1.2	1.8	12xD	AL	1.1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x25/16	1.2	1.2	1.8	12xD	AL	1.1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x35/16	0.868	1.2	1.8	12xD	AL	1.3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x35/16	0.868	1.2	1.8	12xD	AL	1.3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x50/25	0.641	1.4	2	12xD	AL	1.7k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x50/35	0.641	1.4	2	12xD	AL	1.6k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x70/35	0.443	1.4	2.1	12xD	AL	2k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x70/35	0.443	1.4	2.1	12xD	AL	2.1k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x95/50	0.32	1.6	2.3	12xD	AL	2.6k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x95/50	0.32	1.6	2.3	12xD	AL	2.8k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x95/95	0.32	1.6	2.3	12xD	AL	3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x120/70	0.253	1.6	2.4	12xD	AL	3.3k	PVC	PVC	70	0.2k	-35-+70	-35	-5
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4x150/150	0.206	1.8	2.6	12xD	AL	4.5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x185/95	0.164	2	2.8	12xD	AL	4.8k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x185/95	0.164	2	2.8	12xD	AL	5k	PVC	PVC	70	0.2k	-35-+70	-35	-5
4x240/120	0.125	2.2	3	12xD	AL	6.2k	PVC	PVC	70	0.2k	-35-+70	-35	-5