

Technical Data Sheet Tri-rated



Rated voltage	Max. operating temperature	Min. operating temperature	Short circuit temperature	Min. installation temperature	Recommended min. bending radius	Recommended max. tensile stress
600/1000V	105°C	-15°C	160°C	5°C	6 x OD	50N/mm ² of the cross section of the copper

<u>Conductor:</u>	Flexible plain copper wire class 5.
<u>Insulation:</u>	HT PVC (High temperature, polyvinyl chloride)
<u>Special features:</u>	Good thermal endurance properties, good abrasion resistance, easy stripping. Thermal endurance properties (temperature index): 110°C referring to 20.000h (CEI EN 60216-1).
<u>Application:</u>	High temperature cable designed for use on internal wiring applications, including wiring of switch, control and instrument panels. Also used in motors and transformers as connection cable.
<u>Standards:</u>	UL/CSA, BS6231 and HO7V2-K

Formation		Approx. conductor diameter	Average insulation thickness	Approx. overall diameter	Max. conductor resistance at 20°C	Approx. cable weight	Current rating in air
N° x mm	AWG	(mm)	(mm)	(mm)	(Ω/km)	(kg/km)	(45°C) A
1x0.5	22	0.9	0.8	2.6	39.0	11	11
1x0.75	20	1.1	0.8	2.8	26.0	14	14
1x1	18	1.3	0.8	2.9	19.5	16	17
1x1.5	16	1.5	0.8	3.2	13.3	21	21
1x2.5	14	2.0	0.8	3.6	7.98	30	30
1x4	12	2.5	0.8	4.2	4.95	45	40
1x6	10	3.0	0.8	4.8	3.30	64	55
1x10	8	4.0	1.14	6.3	1.91	110	75
1x16	6	5.0	1.52	8.0	1.21	175	100
1x25	4	6.2	1.52	9.2	0.78	260	140
1x35	2	7.5	1.52	10.7	0.5335	370	170
1x50	1	8.9	2.03	13.0	0.3860	520	205
1x70	2/0	10.8	2.03	14.9	0.2660	740	260
1x95	3/0	12.2	2.03	16.4	0.2060	920	320
1x120	4/0	13.8	2.03	18.0	0.1610	1145	375
1x150	250MCM	15.5	2.41	20.4	0.1290	1460	420
1x185	350 MCM	18.3	2.41	23.2	0.1011	1845	480
1x240	450 MCM	20.0	2.41	24.9	0.07867	2335	595
1x300	550MCM	22.6	2.79	28.2	0.06436	2885	675
1x400	700MCM	25.5	2.79	31.1	0.04860	3735	810
1x500	900MCM	28.5	2.79	34.1	0.03840	4730	930