TRI-RATED PANEL WIRES

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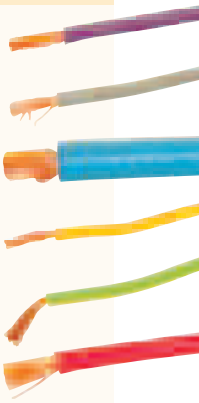
Manufactured to meet Canadian, CSA C22.2 Type TEW, American, UL Styles 1015,1028,1283 and 1284 and the UK BS6231 type CK.
These cables are for use at alternating voltages not exceeding 600V to earth and direct voltages not exceeding 1000V to earth. The conductors are plain annealed copper.

Area (sq.mm)	Approx AWG	Conductor (mm)	Nom r/t (mm)	Nom Diam (mm)	Max Temp °C	AWM Style No.	Max* Amps
0.5	22	16/0.2	0.8	2.6	105	1015	11
0.75	20	24/0.2	0.8	2.8	105	1015	14
1	18	32/0.2	0.8	3.0	105	1015	17
1.5	16	30/0.25	0.8	3.3	105	1015	21
2.5	14	50/0.25	0.8	3.7	105	1015	30
4	12	56/0.3	0.8	4.3	105	1015	41
6	10	84/0.3	0.8	5.1	105	1015	53
10	8	80/0.4	1.2	6.8	105	1028	75
16	6	126/0.4	1.6	9.2	105	1283	100
25	4	196/0.4	1.6	10.6	105	1283	136
35	2	276/0.4	1.6	11.6	105	1283	167
50	1	396/0.4	2.1	14.4	105	1284	204
70	2/0	360/0.5	2.1	16.5	105	1284	259
95	3/0	475/0.5	2.1	18.7	105	1284	321
120	4/0	608/0.5	2.1	20.0	105	1284	362



Manufactured using High temperature PVC.
* Single conductor in free air at an ambient of 35°C and allowing a conductor temperature rise of 35°C.

TRANSFORMER WIRING

TRANSFORMER WIRING PERMANOID Vx Range

This range of heat resisting wires is suitable for temperatures up to 105°C and is resistant to most insulating varnishes and lubricating and hydraulic oil.
They are ideal for use as tails in transformers and electric motors or wherever encapsulation and high temperatures are needed.
The conductors are tinned annealed copper.

Type	Conductor	Area (sq.mm)	Nom r/t (mm)	Min Diam (mm)	Max Diam (mm)	Max* Amps	Voltage Rating (ac rms)
VX050	7/0.12	0.08	0.30	0.90	1.10	3.5	300
VX150	14/0.12	0.16	0.30	1.00	1.20	4.9	300
VX250	7/0.2	0.22	0.45	1.40	1.60	5.9	600
VX350	16/0.2	0.50	0.45	1.70	1.90	8.9	600
VX355	16/0.2	0.50	0.60	2.10	2.30	8.9	1000
VX450	24/0.2	0.75	0.75	2.45	2.75	10.5	1000
VX500	32/0.2	1.00	0.75	2.75	3.05	12.5	1200
VX550	40/0.2	1.25	0.75	2.85	3.15	14.0	1200
VX650	63/0.2	2.00	0.75	3.15	3.45	18.0	1200
VX750	95/0.2	3.00	1.00	4.50	4.90	21.5	1500

Manufactured using High temperature PVC.
* Single conductor in free air at an ambient of 30°C and allowing a conductor temperature rise of 10°C.

EQUIPMENT WIRES

85°C PVC INSULATED EQUIPMENT WIRES TO DEF STAN 61-12 PT 6

These are single core unsheathed and sheathed cables used for internal wiring of switch,control,metering,relay and instrument panels of power switchgear and electronic equipment. They are also used for such purposes as internal connections in rectifier equipment and in motor starters and controllers.

Type	Conductor (TCW)	Insulation r/t (mm) Nom	Insulation r/t (mm) Min	Diameter (mm) Over Insulation Min	Over Insulation Max	Over Screen Min	Over Screen Max	Over PVC Sheath Min	Over PVC Sheath Max	Max working Voltage (ac)
1	1/0.6	0.2	0.15	0.95	1.05	–	–	–	–	750
1	7/0.2	0.2	0.15	0.95	1.05	–	–	–	–	750
2	1/0.6	0.3	0.25	1.10	1.30	–	–	–	–	1000
2	1/0.9	0.3	0.25	1.40	1.60	–	–	–	–	1000
2,2SB,2SBM	7/0.2	0.3	0.25	1.10	1.30	1.55	1.85	2.50	3.05	1000
2,2SB,2SBM	16/0.2	0.3	0.25	1.45	1.65	1.90	2.20	2.85	3.40	1000
2, 2SB	24/0.2	0.45	0.4	1.95	2.15	2.40	2.70	–	–	1000
3	1/0.6	0.45	0.4	1.40	1.60	–	–	–	–	1500
3	1/1.13	0.45	0.4	1.95	2.15	–	–	–	–	1500
3,3SB,3SBM	16/0.2	0.6	0.5	2.00	2.25	2.45	2.80	3.40	4.00	1500
3,3SB,3SBM	24/0.2	0.6	0.5	2.20	2.45	2.65	3.00	3.60	4.20	1500
3, 3SB	32/0.2	0.6	0.5	2.40	2.65	2.85	3.20	–	–	1500
3	63/0.2	0.6	0.5	2.90	3.15	–	–	–	–	1500

Note; SB type wires have a braid over the insulation.
SBM type wires have a braid over the insulation and an overall PVC sheath.
Other types of DEF STAN equipment wires are also available on request. Please contact our sales department.

Note: The number of strands per conductor is nominal and may vary