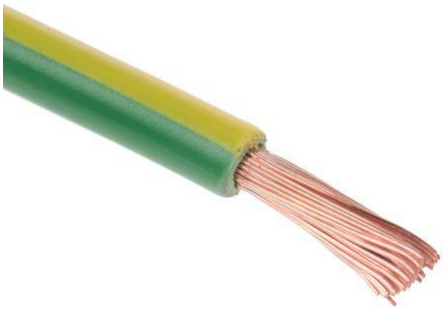
Datasheet

ENGLISH

Stock No: 811-1473

RS Pro Green/Yellow Tri-rated Cable, PVC



Description:

RS Pro offer a range of PVC insulated flexible panel wires which are manufactured and recognised/certified as appropriate to the following standards:

Underwriters Laboratories (UL)
Recognised to Style 1015, 1028, 1283 or 1284 (depending on wire size)
Rated - 105°C in air
- 60°C in oil
- 600V

Canadian Standards Association (CSA):
Certified to Type TEW 105°C

British Standard
Manufactured to BS6231 Type CK

Applications include the wiring of switch, control metering, relay and instrument panels or power switchgear as well as internal connections in rectifier equipment and in motor starters and controllers.

The UL and CSA certification on these wires enable their use in equipment destined for the North American market as well as the European market. This gives the benefit of simple design and manufacturing and less stockholding, compared to the alternative of using wires manufactured to the separate standards.

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All wires are printed or embossed at regular intervals along their length with the following information:
UL recognition logo; AWM style no; 105°C 600V VW-1; AWG size; CSA TEW 105°C FT1; BS6231; mm² size

Technical Information

Conductors:	Plain annealed copper, Class 5 to BS EN 60288
Insulation:	Heat Resisting PVC
Voltage Rating:	600V between conductor and earth, 1000V between conductors
Max. Conductor Temp:	105°C in air, 60°C in oil
Min bend radius:	6 x overall diameter

AWM Size	Size (mm^2)	Wire Type	UL Style	Nominal R/T(mm)	Nominal Diam (mm)	Current Rating (A)	Weight (Kg/km)
22	0.5	16/0.2	1015	0.8	2.6	11	11
20	0.75	24/0.2	1015	0.8	2.8	14	14
18	1.0	32/0.2	1015	0.8	3.0	17	17
16	1.5	30/0.25	1015	0.8	3.3	21	22
14	2.5	50/0.25	1015	0.8	3.7	30	33
12	4	56/0.3	1015	0.8	4.3	41	49
10	6	84/0.3	1015	0.8	5.1	53	71
8	10	80/0.4	1028	1.2	6.8	75	124
6	16	126/0.4	1283	1.58	9.2	100	199
4	25	196/0.4	1283	1.58	10.6	136	290
2	35	276/0.4	1283	1.58	11.6	167	387
1	50	396/0.4	1284	2.1	14.4	190	570
2/0	70	360/0.5	1284	2.1	16.5	240	781
3/0	95	475/0.5	1284	2.1	18.7	300	1025
4/0	120	608/0.5	1284	2.1	20.0	340	1280

NB. Wire constructions and diameters are nominal.
Current ratings are based on a conductor operating temperature of 85°C and an ambient air temperature of 45°C and are for a single panel wire in free air.