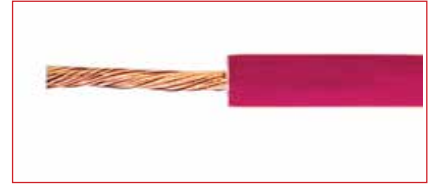


Contact

 Residential/Commercial/Industrial
 Phone: 905-944-4300
 buildingwire.canada@nexans.com

TEW
Description

CSA Spec: C22.2 No. 127
 Size Range: 24 AWG to 4/0 AWG
 UL Listed: Appliance Wiring-Material, AWM
 Style 1015, 24 AWG to 9 AWG
 File No. E-34548



Solid or Stranded Soft Bare Copper Conductor, Thermoplastic Insulation with extruded nylon jacket.

Application

Internal Wiring of Electrical Equipment and Lighting Fixtures.
 Note: 105°C rating in dry locations and 60°C where exposed to oil.

Standards

National CSA C22.2 N° 127

Characteristics
Construction characteristics

Conductor material Copper

Electrical characteristics

Maximum operating voltage 600 V

Usage characteristics

Maximum operating temperature 105 °C

Size AWG	No. of Strands	Insulation Thickness		Overall Diameter		Conductor Ampacity	Net Cable Weight	
		mm	in	mm	in		kg/km	lb/kft
24	1	0.8	0.03	2.1	0.082	2	6	4
24	7	0.8	0.03	2.2	0.085	2	6	4
22	1	0.8	0.03	2.2	0.087	3	8	5
22	7	0.8	0.03	2.3	0.091	3	8	5
20	1	0.8	0.03	2.4	0.094	4	10	7
20	10	0.8	0.03	2.6	0.101	4	10	7
18	1	0.8	0.03	2.6	0.102	6	13	9
18	7	0.8	0.03	2.7	0.108	6	13	9
18	16	0.8	0.03	2.8	0.109	6	13	9
16	1	0.8	0.03	2.9	0.113	8	18	12
16	7	0.8	0.03	3.0	0.120	8	20	13
16	26	0.8	0.03	3.1	0.122	8	20	13
14	1	0.8	0.03	3.2	0.126	17	27	18
14	7	0.8	0.03	3.4	0.133	17	28	19
14	19	0.8	0.03	3.4	0.133	17	27	18
14	41	0.8	0.03	3.5	0.136	17	28	19
12	1	0.8	0.03	3.6	0.143	23	39	26
12	7	0.8	0.03	3.8	0.151	23	40	27
12	19	0.8	0.03	3.8	0.151	23	40	27
12	65	0.8	0.03	3.9	0.155	23	40	27
10	1	0.8	0.03	4.2	0.165	28	58	39
10	7	0.8	0.03	4.5	0.176	28	61	41
10	19	0.8	0.03	4.5	0.176	28	61	41
10	105	0.8	0.03	4.6	0.180	28	63	42

Contact

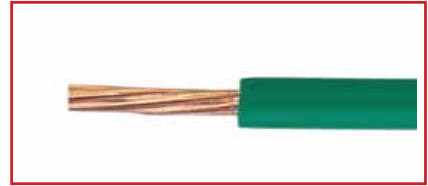
Residential/Commercial/Industrial
 Phone: 905-944-4300
 buildingwire.canada@nexans.com

TW (-40°C) PVC 600 Volts 60°C Cu

Description

CSA File #LL23462 Class 5832 02

Single copper conductor with a flame retardant, low temperature, moisture resisting PVC insulation with FT 1 rating. Rated 600 volts.



Application

For exposed wiring, and in raceways (except cable trays and ventilated flexible cableways) in dry or wet locations.

For exposed wiring exposed to the weather.

Minimum recommended installation temperature minus 40°C (with suitable handling procedures).

Maximum conductor temperature 60°C.

Standards

National CSA C22.2 N° 75

Characteristics

Construction characteristics	
Conductor material	Copper
Electrical characteristics	
Maximum operating voltage	600 V
Usage characteristics	
Maximum operating temperature	60 °C

TW (-40°C) PVC 600 Volts 60°C Cu

Size AWG or kcmil	Insulation Thickness		Approximate Diameter		Approximate Net Cable Weight Copper Conductors		Ampacity (amps) 30°C Ambient	
	mm	in	mm	in	kg/km	lbs/kft	Free Air	Conduit#
14 (1)	0.76	0.030	3.2	0.13	26	18	20	15
12 (1)	0.76	0.030	3.6	0.14	39	26	25	20
10 (1)	0.76	0.030	4.2	0.16	58	39	40	30
14 (7)	0.76	0.030	3.4	0.13	28	19	20	15
12 (7)	0.76	0.030	3.8	0.15	41	27	25	20
10 (7)	0.76	0.030	4.4	0.18	61	41	40	30
8 (7)	1.14	0.450	6.0	0.24	101	68	55	40
6 (7)	1.52	0.060	7.7	0.30	163	109	80	55*
4 (7)	1.52	0.060	8.8	0.35	243	164	105	70
3 (7)	1.52	0.060	9.5	0.38	299	201	120	80
2 (7)	1.52	0.060	10.3	0.41	369	248	140	100
1 (19)	2.03	0.080	12.2	0.48	472	317	165	110
1/0 (19)	2.03	0.080	13.1	0.52	584	392	195	125
2/0 (19)	2.03	0.080	14.2	0.56	730	490	225	145
3/0 (19)	2.03	0.080	15.4	0.61	894	601	260	165
4/0 (19)	2.03	0.080	16.8	0.66	1117	751	300	195
250 (37)	2.41	0.095	18.7	0.73	1318	885	340	215
300 (37)	2.41	0.095	20.5	0.81	1572	1056	375	240
350 (37)	2.41	0.095	21.6	0.85	1773	1191	420	260
400 (37)	2.41	0.095	22.9	0.90	2060	1384	455	280
500 (37)	2.41	0.950	25.0	0.99	2545	1710	515	320
600 (61)	2.79	0.110	27.8	1.09	3063	2058	575	355
750 (61)	2.79	0.110	30.4	1.20	3785	2544	655	400
1000 (61)	2.79	0.110	34.2	1.35	4983	3348	780	455

Selling information

Colours: Standard colours are available.

*For 3-wire 120/240 and 120/208 volt residential services or sub-services, the allowable ampacity for size 6 AWG shall be 60 amperes. In this case, the 5% adjustment per Rule 8-106(1) cannot be applied.

Based on not more than 3 copper conductors in raceway or cable.