

Contact

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

INSTAGLIDE® T90 Nylon / TWN75 600 Volts 90°C Cu

PVC Insulated Nylon Covered Cables

Description

CSA File #LL23462 Class 5832 02

U.L. Standard #83 - U.L. Approval # E70347

Single copper conductor with thin wall PVC insulation and nylon covering with FT1 rating. Rated 600 volts. LEAD FREE.

Nexans INSTAGLIDE® reduced friction construction in sizes 6 AWG and larger.



Standards

National CSA C22.2 N° 75

Application

General purpose building wire for installation as exposed or concealed wiring and in raceways (except cable trays) in dry or damp locations.

Minimum recommended installation temperature minus 10°C (with suitable handling procedures).

Maximum conductor temperature 90°C dry, 75°C in wet locations, and 60°C when exposed to oil.

Approved for use with ceiling fixtures.

Nexans INSTAGLIDE® reduced friction construction in sizes 6 AWG and larger.

Harmonized Product Print Legend:

E53058 F INSTAGLIDE® 2/0 AWG (67.4mm²) (UL) THHN OR THWN-2 OR GR II OR MTW 600 VOLT VW-1 CT USE MADE IN CANADA LL 23462 2/0 AWG CSA/ ACNOR T90 / TWN75 NYLON FT1

Characteristics

Construction characteristics	
Conductor material	Copper
Electrical characteristics	
Maximum operating voltage	600 V
Usage characteristics	
Maximum operating temperature	90 °C

INSTAGLIDE® T90 Nylon / TWN75 600 Volts 90°C Cu

Size AWG or kcmil	Insulation Thickness		Nylon Thickness		Approximate Diameter		Approx. Net Cable Weight		Ampacity (amps at 30°C Ambient)				Where exposed to oil Conduit #
									Damp & Dry		Wet		
	mm	in	mm	in	mm	in	kg/km	lbs/kft	Free Air	Conduit #	Free Air	Conduit #	
14 (1)	0.38	0.015	0.10	0.004	2.7	0.11	25	15	20	15	20	15	15
12 (1)	0.38	0.015	0.10	0.004	3.1	0.12	35	23	25	20	25	20	20
10 (1)	0.51	0.020	0.10	0.004	3.9	0.15	55	37	40	30	40	30	30
14 (19)	0.38	0.015	0.10	0.004	2.8	0.11	24	16	20	15	20	15	15
12 (19)	0.38	0.015	0.10	0.004	3.3	0.13	36	24	25	20	25	20	20
10 (19)	0.51	0.020	0.10	0.004	4.2	0.17	58	39	40	30	40	30	30
8 (19)	0.76	0.030	0.13	0.005	5.5	0.22	96	65	70	45	65	45	40
6 (19)	0.76	0.030	0.13	0.005	6.5	0.26	146	98	100	65	95	65	55
4 (19)	1.02	0.040	0.15	0.006	8.3	0.33	233	157	135	85	125	85	70
3 (19)	1.02	0.040	0.15	0.006	9.0	0.36	288	193	155	105	145	100	80
2 (19)	1.02	0.040	0.15	0.006	9.8	0.39	357	240	180	120	170	115	100
1 (19)	1.27	0.050	0.18	0.007	10.9	0.43	446	300	210	140	195	130	110
1/0 (19)	1.27	0.050	0.18	0.007	11.8	0.47	555	373	245	155	230	150	125
2/0 (19)	1.27	0.050	0.18	0.007	12.9	0.51	698	470	285	185**	265	175	145
3/0 (19)	1.27	0.050	0.18	0.007	14.2	0.56	862	579	330	210	310	200	165
4/0 (19)	1.27	0.050	0.18	0.007	15.5	0.61	1077	724	385	235	360	230	195
250 (37)	1.52	0.060	0.20	0.008	17.2	0.68	1272	855	425	265	405	255	215
300 (37)	1.52	0.060	0.20	0.008	18.5	0.73	1521	1022	480	295	445	285	240
350 (37)	1.52	0.060	0.20	0.008	19.7	0.78	1762	1184	530	325	505	310	260
400 (37)	1.52	0.060	0.20	0.008	20.8	0.82	2002	1345	575	345	545	335	280
500 (37)	1.52	0.060	0.20	0.008	22.9	0.90	2482	1668	660	395	620	380	320

**For 3-wire 120/240 and 120/208V residential services or sub-services, the allowable ampacity for #2/0 AWG copper shall be 200 amperes. In these cases, the 5% adjustment per C.E. Code Rule 8-106(1) cannot be applied.

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

Selling information

Colours: Standard colours are available.

T90 / TWN75 is **NOT** sunlight resistant.

INSTAGLIDE® RW90 (-40°C) XLPE Insulated Wire 90°C

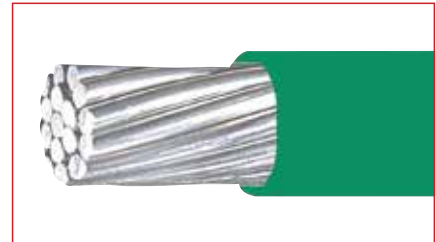
1 kV Aluminum
Nexans ref.: RW90

INSTAGLIDE® RW90 (-40°C) EXELENE® XLPE 1 kV Aluminum Service Entrance and Branch Circuit Wire

Description

CSA File #L23462 Class 5832 03.

Compact stranded AA-8000 series aluminum conductor material (ACM) per ASTM B801 Class B or ASTM B836 (Single Input Wire) with low temperature moisture resisting EXELENE® cross-linked polyethylene (XLPE) insulation. RoHS compliant.



Application

For open wiring and raceways (except cabletroughs and ventilated flexible cableway) in dry or wet locations.

For exposed wiring where exposed to weather with sunlight resistant insulation. Standard Black 6 AWG and larger is sunlight resistant and marked "SR"; coloured insulation is *NOT*.

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

Maximum conductor temperature 90°C.

Approved for use with ceiling fixtures. Nexans INSTAGLIDE® reduced friction construction in sizes 6 AWG and larger, black and colours.

Standards

National CSA C22.2 N° 38

Characteristics

Construction characteristics	
Conductor material	Aluminum
Usage characteristics	
Maximum operating temperature	90 °C