

Multiconductor TC type THW-LS/THHW-LS, Insulation of PVC, CT SR, 600V 75°/90°C

GENERAL DESCRIPTION

Cable with two or more soft copper conductors, whit individual insulation thermoplastic polyvinyl chloride (PVC) and identified according to color code, fillings to give a circular section, gathering tape and outer cover thermoplastic polyvinyl chloride (PVC).

SPECIFICATIONS

- NOM-001-SEDE
Electrical installations (use)
- NOM-063-SCFI
Electrical products - Conductors – Safety requirements
- NMX-J-010-ANCE
Conductors with thermoplastic insulation based on polyvinyl chloride, for installations up to 600 V

MAIN APPLICACIONES

- They are designed to power strength and control circuits in industrial plants and interconnect protection and signaling equipment, ideal in installations where non-fire propagation characteristics, low smoke emission and low acid gas content are required. They can be installed in pipes or ducts, underground installations, in wet or dry places.
- Approved to be installed in cable trays and in places exposed to sunlight, they carry the CT and SR marks respectively, in accordance with the requirements of the NOM-001-SEDE.

CHARACTERISTICS

- Maximum operating voltage: 600 V
- Maximum operating temperature in the conductor:
 - 75 °C in wet environment
 - 90 °C in dry environment
- They are manufactured in calibers of 2.08 to 380.0 mm² (14 AWG to 750 kcmil)
- Cable with non-fire propagation characteristics
- Insulation and cover of Polyvinyl chloride (PVC) c with low smoke emission and low acid gas content characteristics
- Weather and sunlight resistant (SR) outer cover in black
- They can optionally have a bare conductor for grounding

VIKON®

Una marca Viakable

ADVANTAGES

- They satisfy the fire non-spread test (NMX-J-093-ANCE), low smoke emission (NMX-J-474-ANCE) and low acid gas content (NMX-J-472-ANCE).
- They are suitable for installation in wet or dry locations.
- They comply with the flame propagation resistance test on electrical conductors placed in a vertical tray (NMX-498-ANCE).
- They comply with the weather resistance test of the insulation of electrical conductors (NMX-J-553-ANCE).

Color code for Multiconductor THW-LS/THHW-LS		
Number of conductors	Base color	Trace Color
1	Black	-
2	White	-
3	Red	-
4	Green	-
5	Orange	-
6	Blue	-
7	White	Black

COMPONENTS:

1. Soft copper conductor
2. PVC insulation
3. Gathering tape
4. PVC cover

CERTIFICATIONS:



ATTRIBUTES:



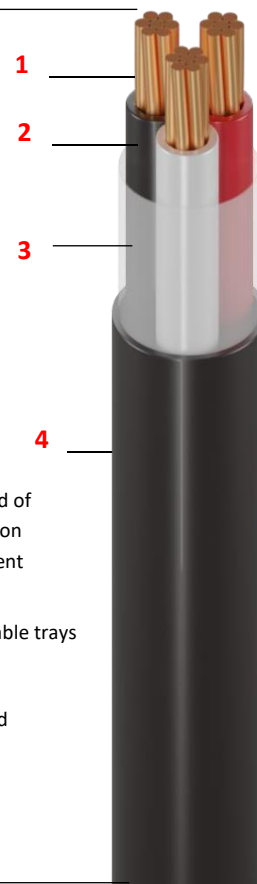
LS Resistant to the spread of fire, low smoke emission and low acid gas content



CT Approved for use in cable trays



SR Weather resistant and in the sunlight



Multiconductor TC type THW-LS/THHW-LS, Insulation of PVC, CT SR, 600V 75°/90°C

Size or designation	Nominal cross section area	Number of threads	Grounding conductor naked (optional)	
			Designation	Nominal cross section area
AWG/kcmil	mm ²		AWG	mm ²
14	2.08	7	14	2.08
12	3.31	7	12	3.31
10	5.26	7	10	5.26
8	8.37	7	10	5.26
6	13.30	7	8	8.37
4	21.15	7	8	8.37
2	33.62	7	6	13.30
1/0	53.48	19	6	13.30
2/0	67.43	19	6	13.30
3/0	85.01	19	2	33.62
4/0	107.20	19	2	33.62
250	126.70	37	2	33.62
300	152.0	37	2	33.62
350	177.30	37	2	33.62
400	228.0	37	2	33.62
500	253.40	37	1	42.41
600	304.0	61	1	42.41
750	380.0	61	1	42.41

NOTA: Dimensiones sujetas a tolerancias de manufactura.

Multiconductor TC type THW-LS/THHW-LS, Insulation of PVC, CT SR, 600V 75°/90°C

Item numbers	Designation	Nominal area of the cross section	Number of conductors	Thickness insulation rating	Thickness cover rating	Diameter approximate exterior	Approximate total weight	Driving capacity current ¹		
	AWG	mm ²		mm	mm	mm	kg/100 m	60°C	75°C	90°C
ZQ00*	14	2.08	2	0.76	1.14	6.1x9.4	10	15	20	25
Q414	14	2.08	3	0.76	1.14	10.1	16	15	20	25
ZQ01	14	2.08	4	0.76	1.14	11.0	18	12	16	20
Q407	14	2.08	5	0.76	1.14	11.7	22	12	16	20
Q415	14	2.08	6	0.76	1.14	13.0	27	12	16	20
ZQ02	14	2.08	7	0.76	1.14	13.0	29	10	14	18
ZQ03*	12	3.31	2	0.76	1.14	6.5x10.3	13	20	25	30
ZQ04	12	3.31	3	0.76	1.14	11.1	19	20	25	30
Q408	12	3.31	4	0.76	1.14	12.2	24	16	20	24
Q432	12	3.31	5	0.76	1.14	13.3	30	16	20	24
ZQ05*	10	5.26	2	0.76	1.14	7.1x11.5	18	30	35	40
Q140	10	5.26	3	0.76	1.14	12.5	26	30	35	40
Q142	10	5.26	4	0.76	1.14	13.7	33	24	28	32
A728	8	8.37	3	1.14	1.52	16.5	48	40	50	55
F938	8	8.37	4	1.14	1.52	18.0	57	32	40	44

NOTES: Dimensions and weights are subject to manufacturing tolerances. The article numbers correspond to multiconductors with all individual conductors insulated.

* Multiconductor in planar arrangement.

¹ Ampacity based on Table 310-15(b)(16) of NOM-001-SEDE for an ambient temperature of 30°C.