TECK90 600 Volts

4C14(7) TECK90 600V

Contact
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Nexans TECK90 Cables are intended for use in various primary and secondary industries, including chemical processing plants, refineries and general factory environments.

DESCRIPTION

Even in the most demanding industrial and resource industry applications, Nexans TECK90 cables have proven to have a superior service and maintenance record. TECK90 Cables utilize low acid gas, low flame spread PVC jacket compounds to ensure maximum safety to personnel and equipment in the event of fire.

Applications

TECK90 Cables, originally developed for use in Canadian mines, are flexible, resistant to mechanical abuse, corrosion resistant, compact and reliable. They are suitable for a wide range of applications, including ALL hazardous locations - Class I, Division 1 and 2; Class II, Division 1 and 2; and Class III.

Limited Smoke Zero Halogen - CSA rated ST1 per CSA 22.2 No. 2556 **upon request**. Meets the FT4 flame spread test.

Industries such as pulp and paper, chemical, petroleum and other primary and secondary manufacturing industries have used TECK90 Cables, particularly in areas where cables are subject to the risk of mechanical damage and chemical attack.

Commercial applications for TECK90 Cables include apartment buildings and commercial complexes.

TECK90 Cables can be relocated easily because they are rugged and flexible. They can be used in both dry and wet locations in open wiring, in ventilated, non-ventilated and ladder-type cable troughs, in ventilated flexible cableways, and for direct burial.

TECK90 Cables are also suitable for service entrance installations - above and below ground.

Highlights

Nexans TECK90 Cables are:

STANDARDS

National CSA C22.2 N° 131;
CSA C22.2 N° 174

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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- Available from stock
- Versatile
- Flexible
- Resistant to Mechanical Abuse and Corrosion
- Compact and Reliable
- "HL" and "FT4" Rated per CSA
- 90°C to -40°C
- Low Acid Gas (AG14)
- Inner and outer jackets are sunlight resistant
- LEAD FREE
- RoHS compliant
- ST1 rating available upon request

Marking and Identification

The inner jackets of Nexans TECK90 cables are printed: SUN RES.

The outer jackets of Nexans TECK90 cables are printed: (mon/year) NEXANS TECK90 XLPE (-40°C) CSA LL19376 F HL FT4 AG14 SUN RES along with conductor size, number of conductors and sequential metre marking.

Optional ST1 marking

Conductor Identification:
2 Conductors: Black, White
3 Conductors: Red, Black, Blue
4 Conductors: Red, Black, Blue, White
5 or More Conductors: Black with Number Coding

CHARACTERISTICS

Construction characteristics	
Conductor material	Copper
Insulation	XLPE
Jacket Colour	Black
With Bonding Conductor	Yes
Dimensional characteristics	
Approximate net weight	359 kg/km
Cable Diameter	18.85 mm
Conductor cross-section	7 kcmil
Conductor size (AWG)	14 AWG
Finished Cable Diameter	0.742 inches
Nominal cable weight	241 lb/kft
Number of cores	4
Number of strands	7
Electrical characteristics	
Maximum operating voltage	600 V
Usage characteristics	
Maximum operating temperature	90 °C

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Usage characteristics	
Minimum installation temperature	-40 °C

SELLING AND DELIVERY INFORMATION

Caution Notice

In case of fire, well maintained early warning smoke detectors will give an alarm long before non-metallic coverings become combustible. However, in spite of the widespread and long-standing use of PVC in residential and commercial buildings, all purchasers of PVC insulated/ jacketed products should be aware of the following:

- Non-metallic coverings of electrical cables can burn and may transmit fire when ignited.
- Burning non-metallic coverings may emit acid gases which are toxic and may generate dense smoke.
- Emission of acid gases may corrode metal in the vicinity; e.g. sensitive instruments and reinforcing rods in cement.

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