



Description

Multiple copper conductors Teck90 cable with a high dielectric strength XLPE (RW90) insulation, assembled with copper ground and fillers per CSA, binder tape, black inner PVC jacket, aluminum interlocking armour (AIA), and an overall PVC Jacket.

Specifications

Ratings

CSA	CSA C22.2 No. 131	FT4 -40°C Sunlight Resistant AG14
CSA	CSA C22.2 No. 174	HL
IEEE	IEEE 383 Flame Test	
ICEA	ICEA T-29-520	210,000 Btu Vertical Flame Test
ICEA	ICEA T-30-520	70,000 Btu Vertical Flame Test

For 90°C Wet or Dry Operation.



Design Parameters

Conductor

- Soft drawn, bare, Class B compact or compressed strand copper per ASTM.

Insulation

- High dielectric strength crosslinked polyethylene (XLPE) insulation, exhibiting an optimum balance of mechanical and electrical properties.

Assembly

- Conductors cabled together with an uninsulated bonding conductor and where necessary, non-hygroscopic fillers. A binder tape may be used over the assembly, depending on size.

Inner Jacket

- Sunlight resistant polyvinyl chloride (PVC) jacket tightly applied over the cable core.

Armour

- Flexible aluminum interlocking armour (AIA) applied over the inner jacket for mechanical protection.

Outer Jacket

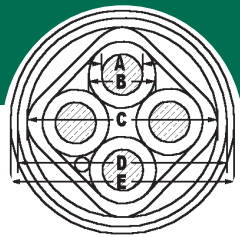
- Low-temperature, sunlight-resistant polyvinyl chloride (PVC) jacket applied over the armour.

Options

- Colored outer jacket
- No outer jacket
- Aluminum phase conductor and bonding conductor
- Galvanized steel interlocking armour (GSIA)
- For cables with more than 4 conductors, contact representative

Installations

- | | |
|-----------------|------------------|
| In Cable Tray | Conduit in Air |
| Direct Buried | Underground Duct |
| Isolated in Air | Wet Locations |
| Dry Locations | Industrial |



MULTICONDUCTOR TECK90

600 Volt

Product Number	No. of Conductors	Conductor	Insulation Thickness (mils)	Inner Jacket Thickness (mils)	Conductor Diameter (mm)					Overall Diameter (mm)	Cable Weight (kg/km)	Bonding Conductor Size	† Ampacity (Amps)
					(A)	(B)	(C)	(D)	(E)				
600 Volt Copper Multiconductor													
▲ QYZ081C	2	14 AWG CU	30	45	1.80	3.56	9.40	13.97	16.26	278	14 AWG CU	15	
▲ QYZ082C	2	12 AWG CU	30	45	2.26	3.81	10.16	14.73	17.27	320	14 AWG CU	20	
▲ QYZ083C	2	10 AWG CU	30	45	2.87	4.57	11.43	16.00	18.29	393	12 AWG CU	30	
▲ QYZ084C	3	14 AWG CU	30	45	1.80	3.56	9.91	14.48	16.76	314	14 AWG CU	15	
▲ QYZ085C	3	12 AWG CU	30	45	2.26	3.81	10.92	15.49	17.78	370	14 AWG CU	20	
▲ QYZ086C	3	10 AWG CU	30	45	2.87	4.57	12.19	16.76	19.05	464	12 AWG CU	30	
▲ QYZ087C	4	14 AWG CU	30	45	1.80	3.56	11.18	15.75	18.03	362	14 AWG CU	12	
▲ QYZ088C	4	12 AWG CU	30	45	2.26	3.81	11.94	16.51	18.80	426	14 AWG CU	16	
▲ QYZ089C	4	10 AWG CU	30	45	2.87	4.57	13.72	18.29	20.57	551	12 AWG CU	24	

Information Subject to Change without Notice.

PRODUCT NOTES:

▲ Items are Prysmian authorized stock.
 The above dimensions are approximate and subject to normal manufacturing tolerances.
 All metric (SI) dimensions are derived from a soft conversion.

† Ampacities are based on the following:

Rule 12-2210 of the Canadian Electrical Code, Part 1, for installation under an ambient temperature of 30°C in air or ventilated tray, with maintained spacing of at least one cable diameter from adjacent cables and 90°C conductor temperature.

