



PRODUCT DATA SHEET

Controlled Document - Engineering Drive

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Waukegan, IL 60085
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Royal[®] Quad-Rated Cable Type TC-ER, PLTC, FPL and NPLF

Construction Parameters:

CONDUCTOR: 18 AWG Class B stranded bare copper per ASTM B-3 and B-8
INSULATION: Premium Grade Polyvinyl Chloride (PVC) plus nylon
COLOR CODE: ICEA Method 1, Table E-1
SHIELDING: Overall 100% coverage, aluminum/polyester foil shield
JACKET: Black sunlight and moisture resistant Polyvinyl Chloride (PVC)
PRINT LEGEND: CCI ROYAL 18 AWG 4/C SHIELDED PVCN/PVC TYPE TC-ER TFFN E79496 (UL) 600V 90C DRY OIL RES I
SUNLIGHT RESISTANT DIRECT BURIAL -- PLTC SUN RES --- FPL SUN RES --- NPLF SUN RES --- SEQUENTIAL MARKING

PHYSICAL PROPERTIES:

TEMPERATURE RANGE: -30°C to 90°C; (90°C Dry)
OIL RESISTANCE: OIL RES I
SUNLIGHT RESISTANT: Yes
DIRECT BURIAL: Yes

ELECTRICAL PROPERTIES:

VOLTAGE RATING: 600Vrms, Max

Industry Approvals:

- o UL Standard 1277 Type TC-ER*, UL Standard 13 Type PLTC, UL Standard 1424 Type FPL, UL Standard 1425 Type NPLF
- o UL Standard 66 Type TFFN
- o NEC Articles 336, 725, 760
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	Gauge	No. Cond.	Stranding	Insulation Wall, Nom.		Jacket Wall, Nom.		O.D., Nom.		Net Weight	
				Inches	mm	Inches	mm	Inches	mm	Lb./kft.	kg/km
TBD	18	4	7/0.0152	0.015/0.004	0.38/0.10	0.045	1.14	0.308	7.82	59	88

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

This product complies with European Directive 2002/95/EC (RoHS)
The customer will accept all factory lengths and +/- 10 percent of total order requested.

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Customer Company Name: _____

Date: _____

Customer Approval: _____

Customer Title: _____

Specification Issue Date: February 3, 2011