

1/C, 15kV Rated, 133% Insulation Level, URO-J®

Cable Installation Data			Electrical Data	
Maximum Pulling Tension with Pulling Eye or Bolt per cable:	1693 lbs.	7.531 kN	Conductor DC Resistance in Ohms/1000 feet @ 25C (1/c):	0.05100 0.16733 /km
Maximum Pulling Tension with grip on outer jacket:	1000 lbs.	4.448 kN	Capacitance in microfarads/1000 feet	0.07770 0.25493 /km
Maximum Sidewall Bearing Pressure (SWBP):	500 lbs/ft of bend radius	7.30 kN/m of bend radius	Capacitive Reactance Ohms/1000 feet (60Hz)	0.0341 0.0104 /km
Minimum Bend Radius (MBR) (Static / After Installation):	10.8 inches 273 mm	(Mult: 8x)	Charging Current in Amperes/1000 feet	0.25368 0.8323 /km
During installation under tension, the minimum bend radius(MBR) shall be increased as follows: Hand-placed installations shall maintain a minimum bend radius of not less than 1.25 x the static MBR, and winch-pulled or ploughed installations shall maintain not less than 1.5 x the static MBR.			Voltage (line to ground) 3 Phase	8.66 kV
For two or more cables the maximum total pulling tension is two times the maximum tension per cable (1693 lbs.) not to exceed a maximum of 10,000 lbs., whichever is lower.			BIL (Basic Impulse Level)	110
			SIC (Dielectric Constant)	2.9
			Power Factor (Room Temp.)	0.00266
			Conductor Circular Mil Area	211600 107.2 mm2

Dimensions	Thickness (in.)		Diameter (in.)			Cable Description	141-23-9535
	Nominal	Minimum Point		Nominal		1/C 4/0 CLASS B COPPER C-RD -SS- 220 OKOGUARD EPR - 024 SC EPR - 18 X .1073 COPPER CONC WIRES (FULL NEUTRAL) - 050 OKOLENE PE W/3 RED STRIPES - SEQ PRINT - 15KV TEMPERATURE RATINGS 105°C - Continuous, 140°C - Emergency 250°C - Short Circuit	
Conductor	N/A			0.478			
Cond. Screen	0.012	0.008		0.506			
Insulation	0.220	0.210		0.952			
Insul. Screen	0.027	0.024		1.019			
Conc. Neutral	0.1073			1.234			
Outer Jacket	0.050	0.045		1.344			
Cable Weight (lbs./M'):							
						1813	

Customer Name: KY ASSOC OF ELECTRIC CORP

End User: CHATHAM MUNICIPAL

Customer Spec:
Industry Standards: AEIC CS8 and ICEA S-94-649.

APPROVED BY:	Okonite Product Code 141-23-9535				Date: 08/06/26
PREP. BY RWP 08/06/26 JSP	SCALE None	INQUIRY NO. 31-60610	ITEM NO. 001	SERIAL NO. 37979	DRAWING NO. T - 113191

Cable Dimensions are Subject to Normal Manufacturing Tolerances.
Cable Image is representative and meant to display individual cable components and is not to scale.
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