


1/C, 15kV Rated, 100% Insulation Level, URO-J®

Cable Installation Data			Electrical Data	
Maximum Pulling Tension with Pulling Eye or Bolt per cable:	4000 lbs.	17.793 kN	Conductor DC Resistance in Ohms/1000 feet @ 25C (1/c):	0.02160 0.07087 /km
Maximum Pulling Tension with grip on outer jacket:	1000 lbs.	4.448 kN	Capacitance in microfarads/1000 feet	0.12745 0.41816 /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)	0.0208 0.0063 /km
Minimum Bending Radius for permanent training purposes:	11.9 inches	303 mm (Mult: 8x)	Charging Current in Amperes/1000 feet	0.41610 1.3652 /km
Minimum bending radius while pulling cable:	11.9 inches, provided the maximum SWBP is not exceeded.		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 (4000 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	500000 253.4 mm²

Dimensions	Thickness (in.)		Diameter (in.)		Cable Description	140-23-2092
	Nominal	Minimum Point		Nominal		
Conductor	N/A			0.735	1/C 500 CLASS B COPPER C-RD -SS- 175 OKOGUARD EPR - 040 SC EPR - 18 X .0953 COPPER CONC WIRES (THIRD NEUTRAL) - 050 OKOLENE PE W/3 RED STRIPES - SEQ PRINT - 15KV TEMPERATURE RATINGS 105°C - Continuous, 140°C - Emergency 250°C - Short Circuit	
Cond. Screen	0.015	0.012		0.768		
Insulation	0.175	0.165		1.129		
Insul. Screen	0.045	0.040		1.229		
Conc. Neutral	0.0953			1.380		
Outer Jacket	0.050	0.045		1.490		
Cable Weight (lbs./M'):				2603		

 Customer Name: **KY ASSOC OF ELECTRIC CORP**

 End User: **ST. CHARLES CITY OF**

Customer Spec:

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

APPROVED BY:	Okonite Product Code 140-23-2092				Date: 01/15/25
PREP. BY RWP 01/15/25 BCG	SCALE None	INQUIRY NO. 31-50019 A	ITEM NO. 001 A	SERIAL NO. 10876	DRAWING NO. T - 99675

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