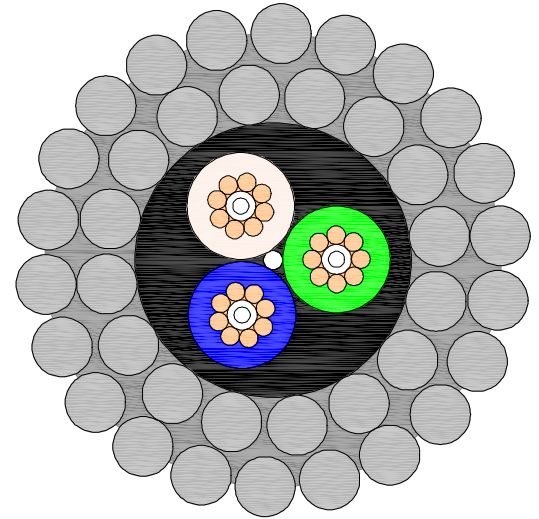




ROCHESTER CABLE – A304059

Description	Controlled Customer Copy	Part No.	Revision	Issue	Date
Data Transmission Cable	Rochester Cable	A304059	K	1	19 Jan 2021

DESCRIPTION	INCH	MM
ELEMENT A; Electro-Light® (3)		
Fiber: 8.3/125/250 μm SM	0.010	0.25
Buffer: Hytrel®	0.019	0.48
Serve: #20 AWG (0.55 mm ²) HD Cu	0.042	1.07
Belt: PP	0.067	1.70
Colors: Natural, Green, Blue		
ASSEMBLY		
Core: Fill Rod	0.015	0.38
Layer 1: 3 A's.	0.146	3.71
BELT		
PE - Black	0.172 ± 0.003	4.37 ± 0.076
STRENGTH MEMBER		
Layer 1: 16/0.0375" GEIPS	0.247	6.27
Layer 2: 22/0.0375" GEIPS	0.322 ± 0.004	8.18 ± 0.10



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Data Transmission Cable	Rochester Cable	A304059	K	1	19 Jan 2021

CABLE CHARACTERISTICS
 NOMINAL VALUES @ 20°C

Imperial/US **SI**

PHYSICAL

Weight in Air	174 lb/kft	259 kg/km
Weight in Seawater	144 lb/kft	214 kg/km
Specific Gravity	5.9	5.9
Operating Temperature Range	+5°F to +150°F	-15°C to 65°C

MECHANICAL

Breaking Strength	11,600 lbf	52 kN
Working Load	2,500 lbf	11 kN
Recommended Bend Radius*	6 in	15 cm

ELECTRICAL

Voltage Rating	1,200 V	1,200 V
dc Resistance	10.5 Ω/kft	34.5 Ω/km
Insulation Resistance	10,000 MΩ:kft	3,000 MΩ:km

OPTICAL

Attenuation Rate		
Element A		
@ 1310 nm	--	0.45 dB/km
@ 1550 nm	--	0.30 dB/km

*The relationship between sheave diameter and cable diameter is a critical factor used to establish a product’s fatigue resistance or relative serviceability. Operation over smaller than recommended sheave diameters may adversely affect service life.

Jurisdiction: Export Administration Regulations (EAR)

ECCN: 5A991.d

HTS Code: 8544.70.0000

Date of Marking: January 19, 2021

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