

THERMOPLASTIC ELASTOMER COATED YARNS

NOMINAL SPECIFICATIONS

High abrasion resistant thermoplastic polyester elastomer coated polyester yarn for braiding constructions of electrical wiring systems.

PRODUCT CODE: EY1877

PHYSICAL PROPERTIES:

	<u>VALUE</u>	<u>TEST METHODS</u>
Diameter, in.:	0.028" (0.71 mm)	E.Y.T.M. 6.3.11
Tensile Strength @ Break, lbs.:	15.0 (6.80 kg.)	E.Y.T.M. 6.3.5
Elongation % @ Break:	20.0	E.Y.T.M. 6.3.5
Yield, yds/lb.:	1,270 (2,559 m/kg.)	E.Y.T.M. 6.3.2
Percent Coating:	76	E.Y.T.M. 6.3.9
Core Type:	Polyester	
Coating Type:	Polyester Elastomer	

1. Excellent moisture and weather resistance
2. Exceptionally high abrasion and flex-fatigue resistance
3. Chemical and oil resistance
4. Excellent property retention at low temperature

THERMAL PROPERTIES:

Cold Flex Tolerance:	-49°F (-45°C)	UL – 1581 Cold Bend
Maximum Service Temperature:	280°F (138°C)	168 Hours Continuous Exposure
Brittleness Temperature:	-112°F (-80°C)	A.S.T.M. D- 746

All TPE coated harness yarns are REACH, RoHS & ELV Compliant and withstand exposure to Diesel Emissions Fluid AUS32.

This information is preliminary data provided in good faith, no warranty is implied. Please contact EY Technologies Technical Service Group if additional information is required.