

Cable Specification

18 AWG two conductor shielded, kevlar strength member PE jacket.

Dynotek P/N: ACPCSTD2

Conductors: 18 16/30 bare copper

Insulation: Linear Low Density Polyethylene, one black, one white
.108" nominal outer diameter.

Core: Two 18 gauge insulated wires, one 20 AWG tinned copper drain wire,
kevlar fiber. All wrapped with mylar backed aluminum foil, foil side
facing in.

Jacket: Green LLDPE.

Finished Diameter: .290" to .300" dead maximum.

Agency Approval: UL AWM style 20143
600 volt

Polyethylene Specifications:

ASTM and ISO Properties ¹			
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.700	g/10 min	ASTM D1238
Enviro. Stress Crack Res (10% Igepal)	1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength @ Yield	1700	psi	ASTM D638
Tensile Strength @ Break	2200	psi	ASTM D638
Tensile Elongation @ Brk	650	%	ASTM D638
Flexural Modulus	1% Secant: 50000	psi	ASTM D790
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (D Scale)	57		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittle Temperature	-105	°F	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (1E+6 Hz)	2.290		ASTM D150
Dissipation Factor (1E+6 Hz)	0.000100		ASTM D150
Additional Properties			

The value listed as Dielectric Constant, ASTM D150, was tested in accordance with ASTM D1531.
The value listed as Dissipation Factor, ASTM D150, was tested in accordance with ASTM D1531.