

UL & CSA GRADE:

UL STYLE: 20029
 Rate temperature: 105°C
 Rate voltage: 300V
 Flame Test: VW-1

CSA STYLE: C22.2 No.210.2
 Rate temperature: 105°C
 Rate voltage: 300V
 Flame Test: FT1, FT2

CONDUCTOR: Stranded

AWG size: 28 AWG
 Number of strands in each conductor: 7/0.127mm
 Lay of strands in each conductor: 0.5 inch at least
 Cross sec. area: 156mil

INSULATION:

Material of insulation: polyvinyl chloride (PVC) ten colors available
 Extruded PVC insulated singles bonded together
 Insulation thickness average: 9mil
 Min. insulation thickness: 7mil

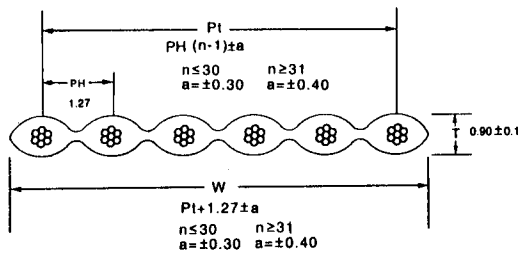
PHYSICAL PROPERTIES: after 7 days air oven at 136°C

Average tensile strength: 1500 lbs/inch²
 Percent of original: 70% at least
 Average elongation: 200%
 Percent of original: 65% at least

ELECTRONIC CHARACTERISTICS:

Spark test: 2500V
 Dielectric strength test: min. 2 KV in 1 minute
 Conductor resistance: Max. 237 Ω /km
 Insulation resistance: Min. 1G Ω /m
 Capacity: 45pF/m
 Inductance: 1.5μH/m
 Impedance: 100 Ω
 Propagation Delay Time: 4.2ns/m

CONSTRUCTION DRAWING:



No. of Cores	Size of Conductor		Thickness (mm+0.1)	Width (mm)	Allowable Error (mm)
	(AWG)	Composition (Strands/mm)			
10	28	7/0.127	0.9	12.70	+0.30
20	28	7/0.127	0.9	25.40	+0.30