

FLAT CABLE

FCT6353



UL & CSA GRADE :

UL STYLE : 20674
 Rate Temperature : -40°C to 105°C
 Rate Voltage : 150V
 Flame Test : VW-1

CSA Standard : C22.2 No.210.2
 Rate Temperature : -40°C to 105°C
 Rate Voltage : 150V
 Flame Test : FT1,FT2

CONDUCTOR : Stranded & Solid

AWG size : 30 AWG
 Number of strands in each conductor : 7/0.102mm
 Lay of strands in each conductor : 0.5 inch at least
 Cross section area : 98 mil

INSULATION :

Material of insulation : Thermoplastic Elastomer(TPE)
 Insulation thickness average : 7 mil
 Minimum insulation thickness : 6 mil

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

CONSTRUCTION TABLE :

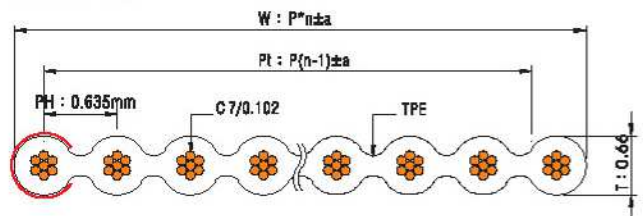
Code No.	Number of Cores	Size of conductor			Thickness (mm ± 0.05)	Width (mm)	Allowable Error (mm)
		AWG	Composition (solid/mm)				
			Stranded Conductor	Solid Conductor			
FCT6353-10	10	30	7/0.102	0.254	6.35(0.25+0.0039)	+0.10	
FCT6353-20	20	30	7/0.102	0.254	12.70(0.5+0.0039)	+0.10	
FCT6353-30	30	30	7/0.102	0.254	19.05(0.75+0.0039)	+0.10	
FCT6353-40	40	30	7/0.102	0.254	25.40(1.0+0.006)	+0.15	
FCT6353-50	50	30	7/0.102	0.254	31.75(1.25+0.006)	+0.15	
FCT6353-68	68	30	7/0.102	0.254	43.18(1.7+0.01)	+0.25	
FCT6353-80	80	30	7/0.102	0.254	50.80(2.0+0.01)	+0.25	
FCT6353-100	100	30	7/0.102	0.254	63.50(2.5+0.01)	+0.25	

Electronic Characteristics :

Spark test : 1500V
 Dielectric strength test : Min. 1500V in 1 minute
 Conductor resistance : Max. 377 Ω/km (stra.) 361 Ω/km (solid)
 Insulation resistance : Min. 1 GΩ-m
 Capacity : 52 pF/m 29 pF/m (stra.) 48 pF/m 26 pF/m (solid)
 Inductance : 0.12 μH/FT
 Characteristic Impedance : 82 Ω 122 Ω (stra.) 89 Ω 124 Ω (solid)
 Propagation delay time : 4.72 ns/m (stra.) 4.67 ns/m (solid)

CONSTRUCTION DRAWING :

STRANDED



SOLID

