

FLAT CABLE SLIT

FCS1278



■ UL & CSA GRADE :

UL STYLE : 2651
 Rate Temperature : -20°C to 105°C
 Rate Voltage : 300V
 Flame Test : VW-1

CSA Standard : C22.2 No.210.2
 Rate Temperature : -20°C to 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 section area : 156 mil

■ INSULATION :

Material of insulation : polyvinyl chloride(PVC)
 Insulation thickness average : 9 mil
 Minimum insulation thickness : 7 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 ± 0.1)	Width (mm)	Allowable Error (mm)
		AWG	Composition (solid/mm)			
FCS1278-9	9	28	7/0.127	0.9	11.43	+0.30
FCS1278-10	10	28	7/0.127	0.9	12.70	+0.30
FCS1278-12	12	28	7/0.127	0.9	15.24	+0.30
FCS1278-14	14	28	7/0.127	0.9	17.78	+0.30
FCS1278-16	16	28	7/0.127	0.9	20.32	+0.30
FCS1278-18	18	28	7/0.127	0.9	22.86	+0.30
FCS1278-20	20	28	7/0.127	0.9	25.40	+0.30
FCS1278-24	24	28	7/0.127	0.9	30.48	+0.30
FCS1278-26	26	28	7/0.127	0.9	33.02	+0.30
FCS1278-30	30	28	7/0.127	0.9	38.10	+0.30
FCS1278-34	34	28	7/0.127	0.9	43.18	+0.40
FCS1278-36	36	28	7/0.127	0.9	45.72	+0.40
FCS1278-40	40	28	7/0.127	0.9	50.80	+0.40
FCS1278-44	44	28	7/0.127	0.9	55.88	+0.40
FCS1278-50	50	28	7/0.127	0.9	63.50	+0.40
FCS1278-60	60	28	7/0.127	0.9	76.20	+0.40
FCS1278-64	64	28	7/0.127	0.9	81.28	+0.40

■ Electronic Characteristics :

Spark test : 2500V
 Dielectric strength test : Min. 2 KV in 1 minute
 Conductor resistance : Max. 237 Ω/km
 Insulation resistance : Min. 100 MΩ-km
 Capacity : 40 pF/m (G-S-G)
 Inductance : 1.45μH/m
 Characteristic Impedance : 100 Ω(G-S-G)
 Propagation delay time : 4.2 ns/m

■ CONSTRUCTION DRAWING :

