

UL & CSA GRADE:

UL STYLE: 2651

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: 156 mil

INSULATION:

Material of insulation: polyvinyl chloride (PVC) gray

Insulation thickness average: 9 mil

Min. insulation thickness: 7 mil

PHYSICAL PROPERTIES: after 7 days air oven at 136°CAverage 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 237Ω/km

Insulation resistance: Min. 1GΩ /m

Capacity: 40PF/m

Inductance: 1.45μH/m

Impedance: 100Ω

Propagation Delay Time: 4.2ns/m

CONSTRUCTION TABLE:

Code No.	Number of Cores	Size of conductor		Thickness (mm±0.1)	Width (mm)	Allowable error (mm)
		(AWG)	Composition (strands/mm)			
10	10	28	7/0.127	0.9	12.70	±0.30
14	14	28	7/0.127	0.9	17.78	±0.30
16	16	28	7/0.127	0.9	20.32	±0.30
20	20	28	7/0.127	0.9	25.40	±0.30
28	28	28	7/0.127	0.9	35.56	±0.30
26	26	28	7/0.127	0.9	33.02	±0.30
30	30	28	7/0.127	0.9	38.10	±0.30
34	34	28	7/0.127	0.9	43.18	±0.40
40	40	28	7/0.127	0.9	50.80	±0.40
50	50	28	7/0.127	0.9	63.50	±0.40
60	60	28	7/0.127	0.9	76.20	±0.40
64	64	28	7/0.127	0.9	81.28	±0.40

CONSTRUCTION DRAWING: