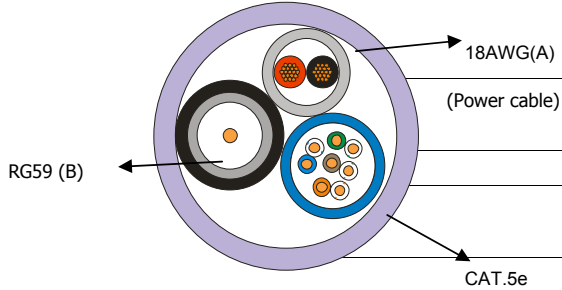


Product Specification sheet for:

# ELAN-1

2C/18 GA. STRANDED + RG59/U 20GA 95% COPPER + CAT 5E  
350MHz - PURPLE

## CONSTRUCTION DETAIL



## DESCRIPTION

Rated Temperature (°C)	75
Rated Voltage(V)	30
Product Standard Certification	
Flammability Test	

## PHYSICAL CONSTRUCTION

	<b>A (2/18AWG)</b>	<b>B (RG59/U)</b>
Conductor (Bare Copper)	BC	BC
Conductor Dia.(+/-0.02mm)	0.404*7	0.813
Insulation	PVC	FPE
Insulation Dia.(+/-0.1mm)	2.1*2	3.71
Color	RED/BLACK	N

### First Shielding (mm)

First Braiding	BC Wire Braid
Conductor Dia.(+/-0.01mm)	0.120
Conductor Qty.	128
Coverage	88%
Picks/dm	22
Lay length (mm)	35

Product Standard Certification UL E310605

### 1x CAT 5E UTP SOLID 350MHz LAN Cable 24AWG 4Pairs

Complies to TIA/EIA-568-B.2  
24AWG Solid Bare Copper Conductor/PE Insulation

### Outer Jacket

Total Dia (+/-0.2mm) 13.00±0.20

## COLOR

**Jacket Color:** Light Purple

## ELECTRICAL CHARACTERISTICS

Characteristic Impedance	75 ±3ohm
Capacitance	55pF/m
Velocity Ratio	81%
DCR: conductor	< 33ohm/km
DCR: shielding	< 13 ohm/km
Sparker	4000 VCA
Dielectric Strength	2500 VCA
Return Loss	5-470MHz 20db 470-1000MHz 18db

## PROPERTIES

<b>Min.Bending Radius :</b>	
Loaded	20 Times Cable OD
Unloaded	10 Times Cable OD
Max.Pulling Tension	126 LBS
Rated Temperature (°C)	-20~+75

## ATTENUATION AT 20°C (DB/100M)

1	0.86
3.6	1.64
10	2.75
71.5	7.45
135	10.31
270	14.76
360	17.16
720	24.74
1000	29.49
1500	36.73
2000	43.02
2250	45.91
3000	53.91

## SPECIFICATION CONTROL

Structured Cable Products specifications are subject to change without notice. Please contact a sales representative for a current product specification. Structured Cable Products strives to ensure product specifications are complete, current, and accurate. Please note, all physical specifications are nominal.