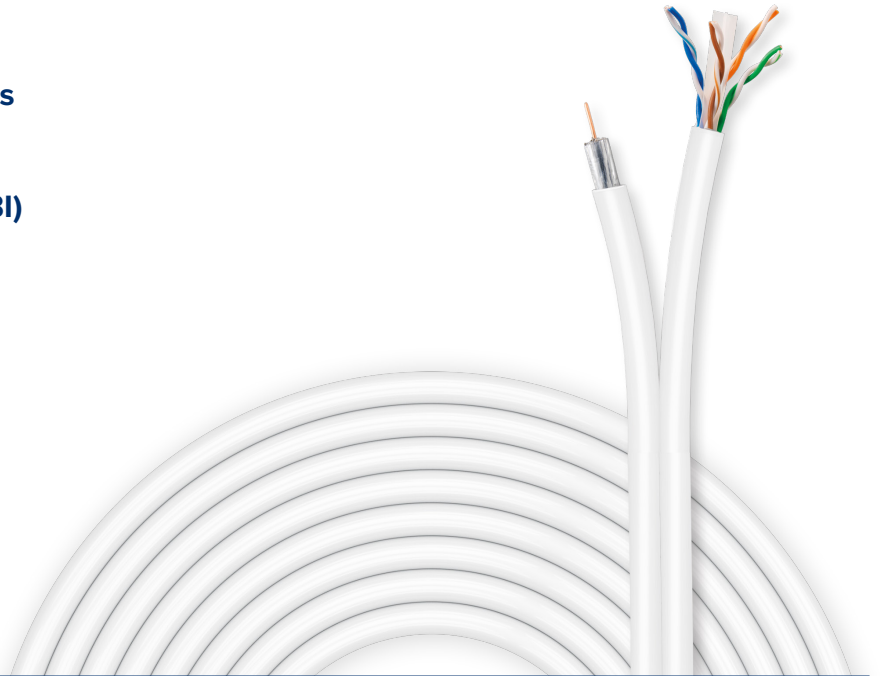


Mini RG59T and CAT6 U/UTP combi cable - 4x2x24AWG - Class Eca

- Coax and CAT6 in one cable
- Fits 5/8" (16mm) standard tubes
- Best used with Technetix
combi wall outlet (CL50-COMBI)
- CAT6 solid copper
- Coax triple shielding class A+



Mechanical specifications

Mini RG59T construction

Inner conductor	Solid bare copper	Diameter 0.58±0.01mm
Insulation	Physically foamed PE	Diameter 2.59±0.15mm
Outer conductor	Bonded aluminium laminated tape	
1st shield	Ak-Mg alloy braid	
2nd shield	Coverage 90%	
3rd shield	Aluminium laminated tape	
Jacket	Flame retardant PVC	Diameter 4.60±0.20mm

CAT6 U/UTP 4x2x24 AWG construction

Inner conductor	Solid bare copper	Diameter 0.52±0.02mm
Insulation	Solid HDPE	Diameter 1.00±0.05mm
	Colour	1 blue and white/blue
		2 orange and white/orange
		3 green and white/green
		4 brown and white/brown
Filler	PE	'+' shape
Sheath	Flame retardant PVC	Diameter 5.8±0.20mm

Mini RG59T and CAT6 U/UTP combi cable - 4x2x24AWG - Class Eca

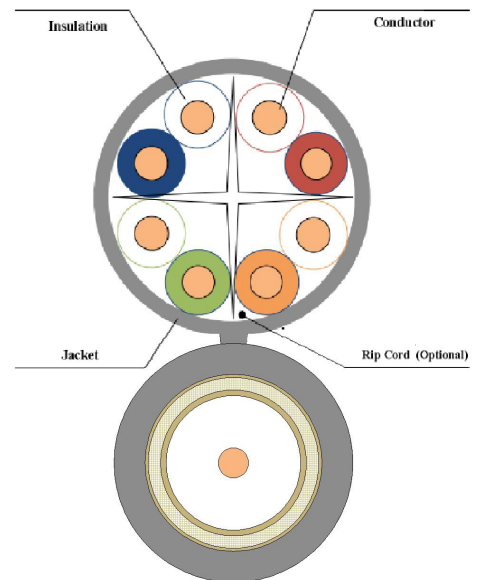
Mini RG59T product specifications

Electrical properties

		Units
Impedance	75±3	Ω
Nominal capacitance	54	pF/m
Propagation velocity	81	%
DC breakdown voltage	2.5	kV
Insulation resistance	≥5000	MΩ.km

Transmission properties

MHz	Attenuation @20°C, dB/100m	Attenuation @20°C, dB/100ft	Notes
71.5	10.17	3.10	1
135	12.47	3.80	1
270	17.72	6.40	1
360	20.34	6.20	1
540	25.26	7.70	1
720	29.86	9.10	1
750	31.17	9.50	1
1000	34.45	10.50	1
1500	42.65	13.00	1
2500	55.45	16.91	1
3000	60.70	18.51	1



Structure return loss

MHz		Units
5-1000	≥21	dB
1000-2000	≥18	dB
2000-3000	≥16	dB

Screening attenuation

MHz		Units
30-1000	≥95	dB
1000-2000	≥85	dB
2000-3000	≥75	dB

Notes

1 Attenuation values may have a tolerance of +5%

Mini RG59T and CAT6 U/UTP combi cable - 4x2x24AWG - Class Eca

CAT6 U/UTP 4x2x24AWG product specifications

Electrical properties

		Units
Impedance	100±15@≤100 MHz	Ω
	100±25@≤100~250 MHz	Ω
DC resistance unbalance	≤2	For conductors, %
	≤4	For pairs, %
Conductor DC resistance	Ω/100m	≤9.5@20°C
Insulation resistance	MΩ.km	≥5000
Delay skew	ns/100	≤45

Transmission properties

MHz	Attenuation (max.) dB/100m	Return loss (min.) dB	NEXT (min.) dB	PS NEXT (min.) dB	EL FEXT (min.) dB	PS EL FEXT (min.) dB	Delay (max.) ns/100m
4	3.8	23.0	66.3	63.3	56.0	53.0	552
8	5.3	24.5	61.8	58.8	49.9	46.9	547
10	6.0	25.0	60.3	57.3	48.0	45.0	545
16	7.6	25.0	57.2	54.2	43.9	40.9	543
20	8.5	25.0	55.8	52.8	42.0	39.0	542
25	9.5	24.3	54.3	51.3	40.0	37.0	541
31.25	10.7	23.6	52.9	49.9	38.1	35.1	540
62.5	15.4	21.5	48.4	45.4	32.1	29.1	539
100	19.8	20.1	45.3	42.3	28.0	25.0	538
200	29.0	18.0	40.8	37.8	22.0	19.0	537
250	32.8	17.3	39.3	36.3	20.0	17.0	536

Standards

2011/65/EU	Compliant
ANSI/TIA/EIA 568-B.2-1	Compliant

Ordering information

Item Name	Article Number	Description
CAT6/C18-20m	19012509	CAT6 UTP / coax-18 combined installation cable Eca
CAT6/C18-100m	19012510	CAT6 UTP / coax-18 combined installation cable Eca

Best used in combination with:

Item Name	Article Number	Description
CL50 - COMBI - PW	19012587	Click50 combi wall outlet assembled SGIM ICEM + RJ45 - no backbox
CL50 - BBEU - PW	19011721	Click50 Back-Box for EU and CH 80x80mm pure white

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