

TC540-CCA
coax cable



Standard construction

- 3,15 mm copper clad aluminium center conductor
- Gas expanded polyethylene dielectric
- Continuous aluminium outer conductor
- Flame retardant polyethylene (PE) jacket

Mechanical characteristics

Min. bending radius (jacketed)	102 mm
Max. pulling tension	100 kg _f

Electrical characteristics

Capacitance	50 ± 3.0 nf/km
Impedance	75 ± 2 Ω
Velocity of propagation	> 87%
Shielding effectiveness	> 100 dB

Mechanical D.C. Resistance (@ 20°C)

Inner conductor	3,34 Ω / km
Outer conductor	1,94 Ω / km
Loop	5,28 Ω / km

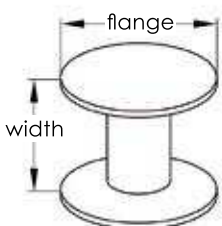
Attenuation (@ 20°C)

frequency (MHz)	max. loss (dB/100m)
5	0,46
30	1,12
45	1,35
50	1,44
55	1,54
83	1,90
108	2,17
150	2,59
181	2,89
193	2,95
211	3,12
220	3,22
250	3,38
270	3,51
300	3,71
325	3,87
350	4,03
375	4,17
400	4,33
425	4,49
450	4,59
500	4,89
550	5,12
600	5,38
750	6,07
865	6,56
1000	7,12

Physical Dimensions

component	∅ (mm)
Nominal center conductor diameter	3,15
Nominal diameter over dielectric	13,03
Nominal diameter over outer conductor	13,72
Nominal outer conductor thickness	0,343
Nominal diameter over jacket	15,49
Nominal jacket wall thickness	0,89

Reel parameters



width: 700 mm
flange: 1100 mm
cable length: 900-1300 m