



HYCF100 CAI Approved Coaxial Cable For Digital Applications

Product Type:
Coaxial Cable

Application:
This range of cable television and video cables is used primarily to carry TV, Satellite and CCTV signals. It is a high quality product, independently tested and approved by CAI (Confederation of Aerial Industries)

Standards:
CAI Approved CAI Specification CAI-007-C / 100 / 09-2013
Certificate Number: CAI0135A
REACH and RoHS compliant

Construction:

Conductor	Solid plain annealed copper conductor
Insulation	Foam polyethylene.
Screen	Copper foil.
Braid	Plain copper braid
Sheath	PVC, Black. Other colours available
Length	100M, Other lengths also available

Technical Information:

Cable diameter	6.55mm nominal
Conductor resistance	$\leq 26 \Omega/\text{km}$
Braid resistance	$\leq 15 \Omega/\text{km}$
Min Insulation resistance	$>500\text{M} \Omega.\text{km}$
Max rated temperature	70°C
Capacitance	$52.5 \pm 3 \text{ pF/m}$
Impedance	$75 \pm 3 \Omega$
Nominal velocity ratio	80%



Suppliers of Quality Assured Cables

Attenuation / dB/100m @ 20° C

5 MHz	≤ 1.6
50 MHz	≤ 4.6
100 MHz	≤ 6.5
200 MHz	≤ 9.5
460 MHz	≤ 15.0
860 MHz	≤ 19.5
1000 MHz	≤ 21.5
1750 MHz	≤ 29.0
2150 MHz	≤ 32.5

Return Loss / dB

5 – 30 MHz	≥23
30 – 470 MHz	≥23
470 – 862 MHz	≥20
862 – 2150 MHz	≥18

Screening Attenuation (before and after flexing)

30 – 300 MHz	≥85
300 – 470 MHz	≥80
470 – 1000 MHz	≥75
1000 – 2150 MHz	≥65