



## HOME Pro

## Advanced digital coaxial cable RG-6, CCS, double shielded, class B

Professional 75 Ohm double shielded coaxial cable for broadband networks HFC/CATV signal distribution. This cable is manufactured according highest quality standards and has PE gas injected dielectric with a stable impedance and fulfils in all aspects screening class B requirements. Applicable for indoor and outdoor use.

## Available packages and colours

5736	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, white, 50m roll
5737	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, black, 50m roll
5738	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, white, 100m box
5739	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, black, 100m box
5740	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, white, 250m plastic reel
5741	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, black, 250m plastic reel
5742	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, white, 305m plastic reel
5743	Advanced digital coaxial cable RG-6, CCS, double shielded, class B, black, 305m plastic reel

IDLH-CRG605-CDW050-RON IDLH-CRG605-CDW100-BON IDLH-CRG605-CDB100-BON IDLH-CRG605-CDW250-REN IDLH-CRG605-CDB250-REN IDLH-CRG605-CDW305-REN IDLH-CRG605-CDB305-REN







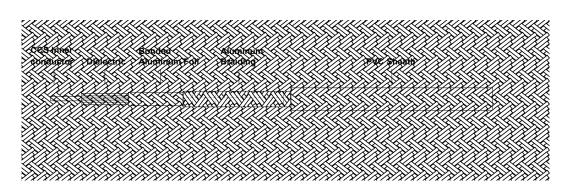
## Technical data

Screening class	В			
Applicable	indoor/outdoor			
Inner conductor				
Material	CCS			
Diameter Ø [mm]	1.02			
Cladding conductivity [%]	22			
Dielectric				
Material	PE gas injected			
Diameter Ø [mm]	4.6			
1st shielding				
Material	Bonded Al/PET/Al			
Overlap [%]	18			
2nd shielding (braid)				
Material	Al			
Braid coverage [%]	70			
3rd shielding				
Material				
Outer sheath				
Material	PVC			
Sheath diameter Ø [mm]	6.8			
Sheath colour	white or black			
RoHS complaint	yes			
Characteristics	UV protected, fire retardant, footage marker every meter			
Electrical data				
Impedance $[\Omega]$	75 ±2			
Capacitance [pF/m]	53 ±2			
Velocity rate [%]	83			
DC resistance centre conductor [ $\Omega$ /km]	92			
DC resistance outer conductor [ $\Omega$ /km]	26			
Loop resistance [ $\Omega$ /km]	118			
Sheath insulation voltage [kv]	3			

Attenuation [dB/100m] at 20 °C at @			
5 MHz	1.9		
50 MHz	4.9		
100 MHz	6.55		
200 MHz	10		
300 MHz	12		
500 MHz	15		
800 MHz	19		
950 MHz	21		
1750 MHz	29		
2050 MHz	31		
2400 MHz	33.7		
3000 MHz	38		
Structural return loss [dB] @			
5 MHz ~ 470 MHz	> 26		
> 470 MHz ~ 1000 MHz	> 26		
> 1000 MHz ~ 2000 MHz	> 22		
> 2000 MHz ~ 3000 MHz	> 20		
Screening attenuation [dB] @			
30 MHz ~ 1000 MHz	≥ 90		
> 1000 MHz ~ 2000 MHz	≥ 80		
> 2000 MHz ~ 3000 MHz	≥ 70		
Transfer impedance [mΩ/m] @			
10 MHz ~ 30 MHz	≤ 15		
Sweep tested @			
5 MHz ~ 3000 MHz	yes		
Mechanical data			
Operating temperature	-30°C ~ +70°C		
Installation temperature	-10°C ~ +50°C		
Bending radius (single/multiple) [mm]	35/70		
Tensile strength [N]	120		
Weight approx. [kg/km]	42		
Compliant according	EN50117, IEC61196 Construction Product Regulations (CPR)		

Footage markers per meter

Construction Pro Regulations (CPR 1



For purpose of brevity, some product descriptions in this sheet remain at platform level and may not be referred to as detailed datasheets of the products. Inverto Digital Labs reserves the right to amend, omit or add products, product-lines, and / or features without notice.