



Class A+



HD 113 Cu/Cu PE

Anvendelse

Disse kabler bruges udendørs til fordeling af bredbånds- og CATV-signaler og til forbindelse af SMATV systemer, der kræver lav kabeldæmpning.

Kablets opbygning

Inderleder	Ø 1.13 mm ren kobber
Dielektrikum	Ø 4.80 mm gasopskummet Film/Skum/Film PE
1. skærm	Cu-Pet film
2. skærm	Kobberfletskærm
3. skærm	Cu-Pet film (Limet til kablets kappe)
Kappe	Ø 7.00 mm PE

Tekniske egenskaber

Kabelvægt	48 kg/km
Kobbervægt	15.00 kg/km
Min. bøjningsradius	30 mm
Maks. trækraft	120 N
Temperaturområde	-40 °C ... +70 °C
Pakning	100 / 350 / 500 m

Elektriske egenskaber

Impedans	75 ± 2 Ω
Kapacitans	53 ± 2 pF/m
Udbredelsehastighed	84 %
Isolationsmodstand	> 2 GΩxkm
Maks. spænding	1300 V
Testet spænding	3000 V
Inderleder DC-modstand	< 17.80 Ω/km

Kabeldæmpning (20°C)

5 MHz	1.40 dB/100m
50 MHz	4.10 dB/100m
230 MHz	8.90 dB/100m
470 MHz	12.90 dB/100m
860 MHz	17.90 dB/100m
1000 MHz	19.20 dB/100m
1200 MHz	21.90 dB/100m
2150 MHz	29.90 dB/100m
3000 MHz	36.20 dB/100m

Refleksionsdæmpning (20°C)

5-470 MHz	> 26 dB
470-1200 MHz	> 23 dB
1200-2000 MHz	> 20 dB
2000-3000 MHz	> 18 dB

Transferimpedans

5-30 MHz	≤ 2.5 mΩ/m
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Skærmtæthed

30-1200 MHz	≥ 95 dB
1200-2000 MHz	≥ 85 dB
2000-3000 MHz	≥ 75 dB

Standarder

Skærmtæthed klasse klasse A+
EN 50117-2-4

Brandklassifikation

F_{ca}

Application

These types of cables are used for outdoor CATV distributions and connections of SMATV systems which require low attenuations.

Cable Construction

Inner Conductor	Ø 1.13 mm Bare Copper
Insulation	Ø 4.80 mm Gas Injected Skin/Foam/Skin PE
1st Shielding	Cu-Pet Foil
2nd Shielding	Copper Wire Braiding
3rd Shielding	Cu-Pet Foil (Bonded to the Outer Sheath)
Outer Sheath	Ø 7.00 mm PE

Technical Properties

Cable Weight	48 kg/km
Copper Weight	15.00 kg/km
Min. Bending Radius	30 mm
Max. Tensile Strength	120 N
Temperature Range	-40 °C ... +70 °C
Packing	100 / 350 / 500 m

Electrical Properties

Impedance	75 ± 2 Ω
Capacitance	53 ± 2 pF/m
Velocity of Propagation	84 %
Insulation Resistance	> 2 GΩxkm
Operating Voltage	1300 V
Test Voltage	3000 V
Inner Conductor DCR	< 17.80 Ω/km

Attenuations (20°C)

5 MHz	1.40 dB/100m
50 MHz	4.10 dB/100m
230 MHz	8.90 dB/100m
470 MHz	12.90 dB/100m
860 MHz	17.90 dB/100m
1000 MHz	19.20 dB/100m
1200 MHz	21.90 dB/100m
2150 MHz	29.90 dB/100m
3000 MHz	36.20 dB/100m

Return Loss (20°C)

5-470 MHz	> 26 dB
470-1200 MHz	> 23 dB
1200-2000 MHz	> 20 dB
2000-3000 MHz	> 18 dB

Transfer Impedance

5-30 MHz	≤ 2.5 mΩ/m
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Screening Attenuation

30-1200 MHz	≥ 95 dB
1200-2000 MHz	≥ 85 dB
2000-3000 MHz	≥ 75 dB

Standards

Screening Class Class A+
EN 50117-2-4

Euro Class

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