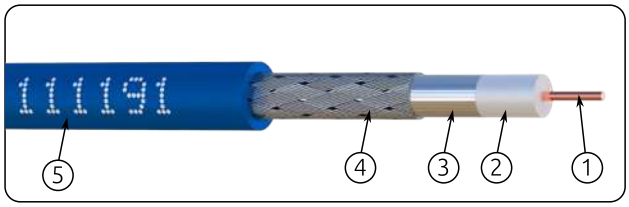
111191-00

iDEFINITION 80 - HD SDI

Update C



Construction

Inner conductor	①
Material	Annealed copper
Diameter	Ø 0.8 ± 0.005 mm
Dielectric	②
Material	Cellular PE Physical
Color	Natural
Diameter	Ø 3.65 ± 0.10 mm
Outer conductor	
1rst Layer	③
Material	Thick Alu 40µm/Polyester/Alu tape
Coverage	≥ 125%
2nd Layer	④
Material	Tinned copper clad aluminum
Braiding	16 × (6 × Ø 0.12 mm)
Coverage	78%
Sheath	⑤
Material	PVC - Flam retardant C2
Color	Blue - RAL 5017
Diameter	Ø 6.10 ± 0.15 mm
Weight	
Linear mass	35 kg/km
Marking of sheath	
Printing with XXX : Quantity in meter still available per reel DDDDD : Date code	iDEFINITION 80 - HD SDI - 75 OHMS - CE - elbaC 111191 - DDDDD - XXXm
Color / Process	White / Ink jet
Step	1m
Stripping force / 50 mm (F)	
Dielectric	15 N ≤ F ≤ 35 N

Meet Standards

Marking : CE

Fire reaction : EN 50575:2014/A1:2016

Environment : European directive 2011/65/EU

Electrical characteristics

Impedance	75 ± 2 Ω
Capacitance	< 58 pF/m
Max DC Resistance at 20°C	
Inner conductor	37 Ω/km
Outer conductor	17.2 Ω/km
Propagation velocity	81%
Rated voltage	30 V
Insulation resistance at 20°C	> 500 MΩ/km

Longitudinal attenuation

Frequency MHz	Max attenuation dB/100m
5	1.8
30	5.6
100	7.9
300	13.9
400	16.1
1000	26.3
2150	39.7
3000	47.8

Return loss

Frequency MHz	Return loss dB
[30 - 1000]	> 23

Screening attenuation

Attenuation 30 - 2000 MHz	> 80 dB
Attenuation 2000 - 3000 MHz	> 85 dB

Thermal characteristics

CPR fire reaction class	E_{ca}
Rated temparture	80°C

Packaging

- C1 : 100m / Cardboard Reel
- R3 : 300m / Easy Reel Box
- W5 : 500m / Wooden Drum

Notes

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