

Belden coaxial cables

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A
CLASS

Parameter	Frequency [MHz]	H121T00	H126T00	PRG11DB+PVC PRG11DB+LSNH	PRG11DB+PE
Type 1) screening > 95 dB Type 2) with FRNC sheath					
Structure					
Inner conductor [mm]		0,8 Cu	1,0 Cu	1,55 Cu	1,55 Cu
Isolation [mm]		3,5 FPE	4,57 FPE	7,25 FPE	7,25 FPE
Outer conductor [mm]		4,1 Al PET	5,1 AL PET	8,1 DB II	8,1 DB II
Braid coverage		75 % CSnB	60 % CSnB	70 % CSnB	70 % CSnB
Foil		Trishield Foil	Trishield Foil	DB+	DB+
Cheath [mm]		5,0 PVC	6,9 PVC	10,1 PVC	10,1 PE
Color PVC type/FRNC type		white/white*	white/white*	black/black*	black/-*
Loss at 20°C [dB]	5	2,3	1,8	0,9	0,9
	50	5,9	4,7	2,8	2,8
	100	8,1	6,5	3,9	3,9
	230	12,1	9,8	6,1	6,1
	400	15,9	13,0	8,2	8,2
	860	23,6	19,5	12,5	12,5
	1.000	25,6	21,1	13,6	13,6
	2.400	41,0	34,4	22,5	22,5
Return loss [min. dB]	5 – 470	> 20	> 20	> 23	> 23
	470 – 862	> 18	> 18	> 20	> 20
	862 – 2.150	> 16	> 16	> 18	> 18
Electrical features					
Impedance [Ω]		75 ± 3	75 ± 3	75 ± 3	75 ± 3
Capacity approx. [pF]		53	54	55	55
Shortening factor		0,84	0,82	0,81	0,81
DC resistance at 20°C					
Inner conductor [Ω/100 m max.]		3,5	2,3	1,0	0,87
Screening Class		A+	A+	A+	A+
Transfer impedance [mΩ/m]	5 – 30	< 2,5	< 2,5	< 1,9	< 1,9
Screening [dB]	30 – 1.000	> 95	> 95	> 105	> 105
Mechanical features					
Min. setting radius [mm] once		25	35	100	100
Max. tensile strength [N]		44	55	132	132
Weight [approx. kg/km]		29	52	98	85
Standard package [m]		100/300/500	100/250/500	250/500/1.000	250/500/1.000
Order No.					
Type 1) screening > 95 dB		65110xx0	65170xx0	65191xx1 65191xx3	65191xx0
Type 2) with FRNC sheath		-	-		-

Cu = copper; **S CU** = copper clad steel; **FPE** = physical foam; **PE** = polyethylene; **PVC** = polyvinyl chloride; **Cu FB** = copper foil and copper braid; **Al FF** = double aluminum-laminated polyester foil (Al-Duofoil); **Al B** = aluminum braid with coverage in %; **CSnB** = tin-plated copper braid with coverage in %; **DB II** = double aluminum-laminated polyester foil, bonded on the dielectric; **CG** = Core Guard: protective core under DUOBOND foil made of fireproof gel with moisture protection; **DB+** = Patented DUOBOND PLUS system: Metal to metal plated aluminum foil with insulating layer glued under the outer sheath to achieve a screening of > 100 dB from 10 MHz upwards (the screening for the H 126 DB+ is > 95 dB); **AL PET** = Aluminium film, glued with a PET film (Polyester)

Min. installation temperature: -5°C

Operating & storage temperature: PE/PVC: -40 – +80°C, LSNH: -30 – +70°C

* Further colors are available on request.