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# Technical Datasheet

## tasker® TSK 1078 AR – 0.80/3.50/6.00 mm 12G-SDI Coaxial Cable 75 Ω



**CATEGORY**  
**APPLICATIONS**

HD-SDI cable (See Video Catalogue)  
HD-SDI video installation and Broadcast over 12Gb/s

- A:** Anti rodents **galvanized steel Armor** specific for underground installation. Outer Diam. Ø 7,00 (±0,20) mm.
- B:** Black **L.S.Z.H.** sheath. Flame Retardant e Halogen Free. Outdoor Limited. Outer Diam. Ø 6,00 (±0,20) mm.
- C:** First Shielding O.F.C. tinned copper Braid covering 95%.
- D:** Second Shielding in Aluminum foil tape, covering 100 %.
- E:** Core Insulation with Foam PE – Nom. Ø 3,50 (±0,20) mm.
- F:** Stiff Wire in O.F.C. Red Copper - formation 1x0,80 mm. Nom. Cross section 1x0,50 mm<sup>2</sup>. (20 AWG)

**MARKING**

**tasker®** TSK1078 AR – 75Ω – 20 AWG - O.F.C. - GAS INJECTED FHDPE - BROADCAST COAX VIDEO HD- SDI CABLE - FirestopP® - Halogen Free – Outdoor Use - Made in Italy

**NOTE**

Recommended installation distances for 4 and 8K are estimated on SMPTE standards, the real maximum lengths depend on the equipment used, assembled connectors and environmental circumstances.

**Cable Properties**

<b>Conductor Resistance</b>	38 Ω/Km
<b>Capacity Core/Shield</b>	53 pF/m.
<b>Velocity of Propagation</b>	83%
<b>Impedance</b>	75 Ω
<b>Nom. Delay</b>	4,0 ns/m.
<b>Operative Temperature</b>	-30/+70°C

**Attenuation dB/100 m.**

<b>10 MHz</b>	2,03
<b>100 MHz</b>	7,31
<b>1000 MHz</b>	24,60
<b>2000 MHz</b>	36,74
<b>3000 MHz</b>	50,11
<b>4500 MHz</b>	67,64

**Recommended installation distances**

<b>SMPTE Standard</b>	425-4	2081-1	2082-1
	3G-SDI	6G-SDI	12G-SDI
<b>Max Distances (m)</b>	129	86	55

<b>USE</b>	X	Indoor	Interno Edificio	<b>INSTALLATION</b>	X	Fixed	Fissa	<b>INFORMATION</b>	X	RoHS2 Compliant
<b>Impiego</b>	X	Outdoor Limited	Esterno Limitato	<b>Posa</b>	X	Restricted Mobile	Mobile Limitata	<b>Informazioni</b>	X	Ver. A / 26.05.17
	X	Outdoor	Esterno			Mobile	Mobile			
	X	Outdoor Direct Burial	Esterno Interrato			Mobile in Drag Chain	Mobile in Catena			