

**Siechem 1.5DS- QFB(TA) Cable**

**Application**

- ✓ To transmit radio frequency (RF) signal.
- ✓ Video signal.
- ✓ Digital data with low loss.
- ✓ It is commonly used in communication and electronic systems.
- ✓ Used in internal wiring in communication base stations and RF module.
- ✓ Used in vehicles for antenna connections and signal transmission in systems like GPS, satellite radio and vehicle communication module.

**Features**

- ✓ Low loss.
- ✓ Characteristic Impedance is constant in high frequency domain.
- ✓ Flexible and light weight.
- ✓ High shielding effectiveness against EMI.
- ✓ Good durability for automotive and communication equipment.
- ✓ RoHS compliant.

**Product Construction**

- ✓ Conductor : Annealed Standard Tinned Copper Conductor.
- ✓ Insulation : Foamed Polyethylene.
- ✓ Colour : White.
- ✓ Taping : Copper Mylar tape (100% coverage).
- ✓ Braiding : ATC (Coverage 95%).
- ✓ Outer Sheath : Heat Resistance. Polyvinylchloride - Black.

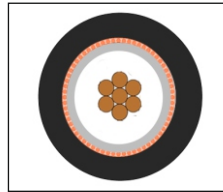
**Technical Data**

- ✓ Temperature Range : -40°C to +105°C
- ✓ Capacitance : 83±4 nF/Km
- ✓ Characteristic Impedance : 50 ± 2 Ω
- ✓ Min. Insulation Resistance : 1000 mΩ/km
- ✓ Velocity of propagation ≈ 83% of the speed of light
- ✓ 1.5D : 1.5mm dielectric diameter
- ✓ S : Stranded conductor
- ✓ QFB : Quadruple foil braid
- ✓ TA : Tinned copper braid & Aluminium foil shielding

Automotive Cables

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**2D View**



**Approvals Accreditations Certifications**

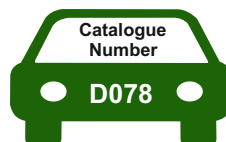


Part Number	Conductor Construction				Insulation Wall Thickness (Nom.)	Core Diameter Nom.	Nom. Dia Over Shield	Nom. Dia Over Braid	Outer sheath Thickness (Min.)	Overall Diameter (Nom.)	Weight Approx. (Nom.)	Max. Conductor Resistance at 20°C
	Nominal Cross-Section	No. of Core	No. of Strands / Stand dia. (Nom.)	Diameter of Wire (Nom.)								
D078020904	Sq.mm	Nos.	Nos.	mm	mm	mm	mm	mm	mm	mm	kg/km	Ω/km
	0.22	1	7/0.20	0.6 ± 0.024	0.50	1.6 ± 0.1	1.7	2.20	0.40	3.0 ± 0.2	15	89.4

Freq. (MHz)	10	50	87	100	108	200	300	400	900	1500
Attenuation (dB/m) Nom.	0.07	0.14	0.17	0.19	0.2	0.27	0.34	0.4	0.63	0.83

Freq. (MHz)	1600	1800	2000	2400	2500	3000	4000	5000	5800	6000
Attenuation (dB/m) Nom.	0.86	0.95	0.98	1.09	1.11	1.23	1.45	1.65	1.79	1.87

\*\* We have obtained various approvals, accreditations, and certifications - some of which may not be relevant to this catalog.



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