

## Coax2 CT 48 S (4.75/19.4)

### CATV Trunk Cable



### Application

CATV cables are used in trunk lines of CATV and broadband networks between headend and subscriber termination point. They are suitable for direct buried and duct laying.

### Standards

**Screening Class A++** acc. to EN 50117-2-3,  
further EN 50083-2/A1, EN 50117-1

### Flame resistance

IEC 60332-1 (not for cables with PE sheath)

### Construction

Inner conductor	Solid copper wire, Ø 4.75 mm
Insulation	Gas injected foam PE, Ø 19.4 mm
Outer conductor	Welded copper tube, Ø 20.0 mm
Sheath	Black PE, Ø 24.9 mm
Printing	<b>DRAKA COAX2 CT 48 S</b> + manufacture week/year + batch number + meter marking

### Mechanical properties

Minimum bending radius	Single bend	250 mm
	10 bends	500 mm
Temperature range	during operation	- 40° C to + 70° C
	during storage	- 40° C to + 70° C
	during installation	- 5° C to + 60° C
Tensile force		180 N

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### Electrical properties

at 20°C

DC resistance	Inner conductor	1.0 Ω/km
	Outer conductor	0.95 Ω/km
Capacitance		50 pF/m
Impedance		75 Ω ± 2 Ω
Velocity ratio		88 %
Screening factor	30 MHz – 1000 MHz	> 120 dB
Transfer impedance	5 MHz – 30 MHz	< 0.9 mΩ/m
Electrical strength	Dielectric	2.5 kV <sub>DC</sub> 1 min
	Sheath	5 kV <sub>DC</sub> 1 min

### Electrical data

at 20°C

Attenuation [dB/100m]		Return loss [dB]	
Frequency (MHz)	Maximum	Frequency (MHz)	
5	0.29	5 – 30	> 30 dB
50	0.94	30 – 470	> 30 dB
100	1.35	470 – 1000	> 26 dB
200	1.95		
250	2.20		
400	2.84		
550	3.39		
750	4.04		
800	4.19		
862	4.37		
950	4.62		
1000	4.76		

### Technical data

Cable type	Jacket	Product code	Weight kg/km	Std. delivery length m	Drum dimensions [mm]		Cu content kg/km	Storage
					Flange	Overall width		
Coax2 CT 47 S	Black PE		560	1000	1400	982	372	outside