



# GEN series 1-KAB433-2

## ODU to BNC breakout cable

### Special features

- RG-58 C/U
- 50  $\Omega$
- UV resistant
- Wide temperature range
- Flame retardant
- Outdoor use

### ODU to BNC breakout cable

A 2 meter (6.6 ft) coaxial cable with ODU SX2B0C-P14MFG0-0001 (male) on one side and BNC (male) on the other side. A female-female BNC adapter is added to easily extend with a standard BNC-BNC cable.

This cable supports high frequency measurements with GN840B and GN1640B cards in single ended basic voltage, IEPE as well as general purpose piezoelectric measurements.


### General RG-58 C/U Cable details (MIL-C 17 F)

Signal resistance	50 ± 2 Ω	
Cable capacitance	101 pF / m	
Dielectric constant	2.3	
Material		
	Signal wire	Tinned braided copper wire
	Shield wire	94% covered tinned braided copper wire
	Dielectric	PE (Polyethylene)
	Cable outside	Black PVC
Diameter		
	Internal	0.9 ± 0,051 mm
	Diaelectric	4.95 ± 0,12 mm
Weight	39 kg/km	
Minimum band radius	30 mm	

Electric specifications at 20 °C		
Maximum DC resistance		
	Signal wire	40.7 $\Omega$ / km
	Shield	17 $\Omega$ / km
Minimum isolation resistance		5 G $\Omega$ / km
Maximum cable capacity at 1 kHz		105 pF
Propagation speed		66%

Signal attenuation at 20 °C		
Signal frequency	Nominal attenuation	Maximum attenuation
1 MHz	1.6 dB / 100 m	
5 MHz	3.6 dB / 100 m	
10 MHz	5.0 dB / 100 m	
20 MHz	7.5 dB / 100 m	
50 MHz	12 dB / 100 m	38.1 db / 100 m
100 MHz	17 dB / 100 m	21.32 db / 100 m
200 MHz	24 dB / 100 m	33.14 db / 100 m
400 MHz	33 dB / 100 m	55.77 db / 100 m
800 MHz	50 dB / 100 m	82.1 db / 100 m
1 GHz	55 dB / 100 m	91.86 db / 100 m
2 GHz	88 dB / 100 m	

Environmental specifications	
Operating temperature (In fixed installations)	-40 °C to +80 °C
Maximum operating voltage	2 kV RMS @ 50 Hz
Test voltage	5 kV
Flame retardant	According IEC 60332-1-2
RoHS	Conform RoHS standard 2002/95/EG.

Ordering Information			
Article		Description	Order No.
ODU to BNC breakout cable		Single-ended BNC voltage input to card coaxial cable including a female to female BNC adapter. Length 2 m (6.6 ft). Typical cable capacity 200 pF. Supports single-ended voltage, IEPE and charge measurements.	1-KAB433-2

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