



12G SDI, 4K

Low Loss 75 ohm Coaxial Cables
Digital Video Cables

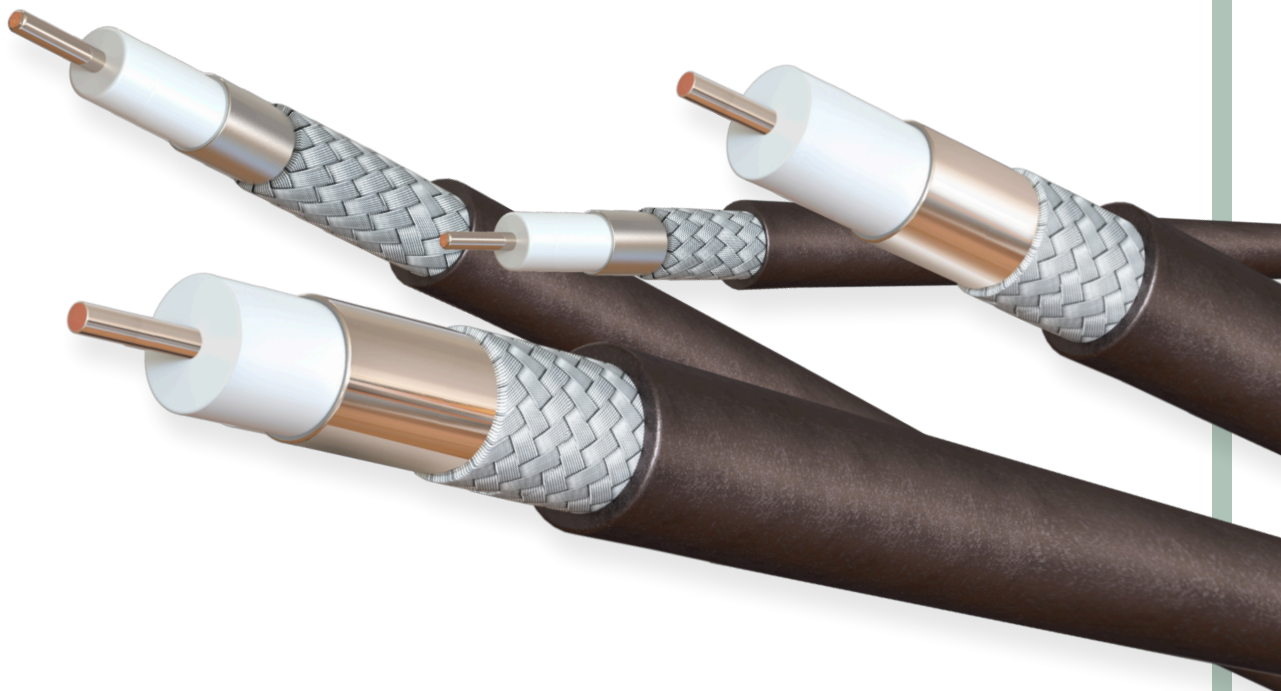
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12G SDI 4K, Low Loss Coaxial Cables

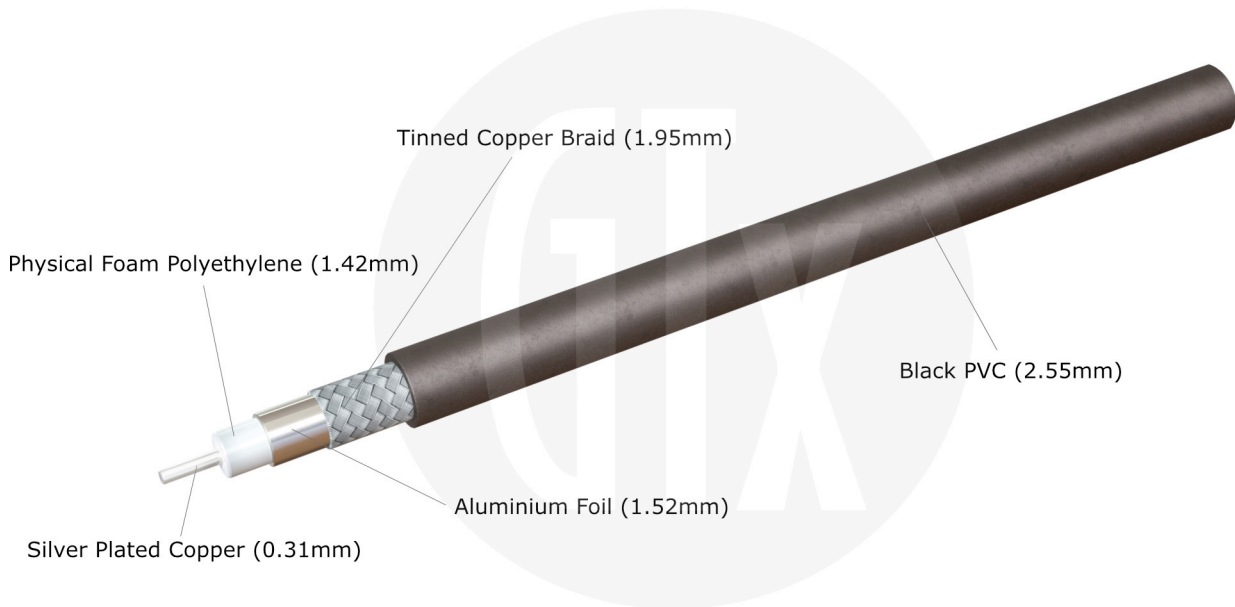
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12G-SDI-179D

RG179DT Digital Video Cable, 0.3/1.4



MATERIAL SPECIFICATION

Inner Conductor	Silver Plated Copper (0.31mm)
Dielectric	Physical Foam Polyethylene (1.42mm)
First Shield	Aluminium Foil (1.52mm)
Second Shield	Tinned Copper Braid (1.95mm)
Jacket	Black PVC (2.55mm)

ELECTRICAL SPECIFICATION

Impedance	75 Ohms
Max. Frequency	DC to 12 GHz
Capacitance	55 pF/m
Velocity of Propagation	80%

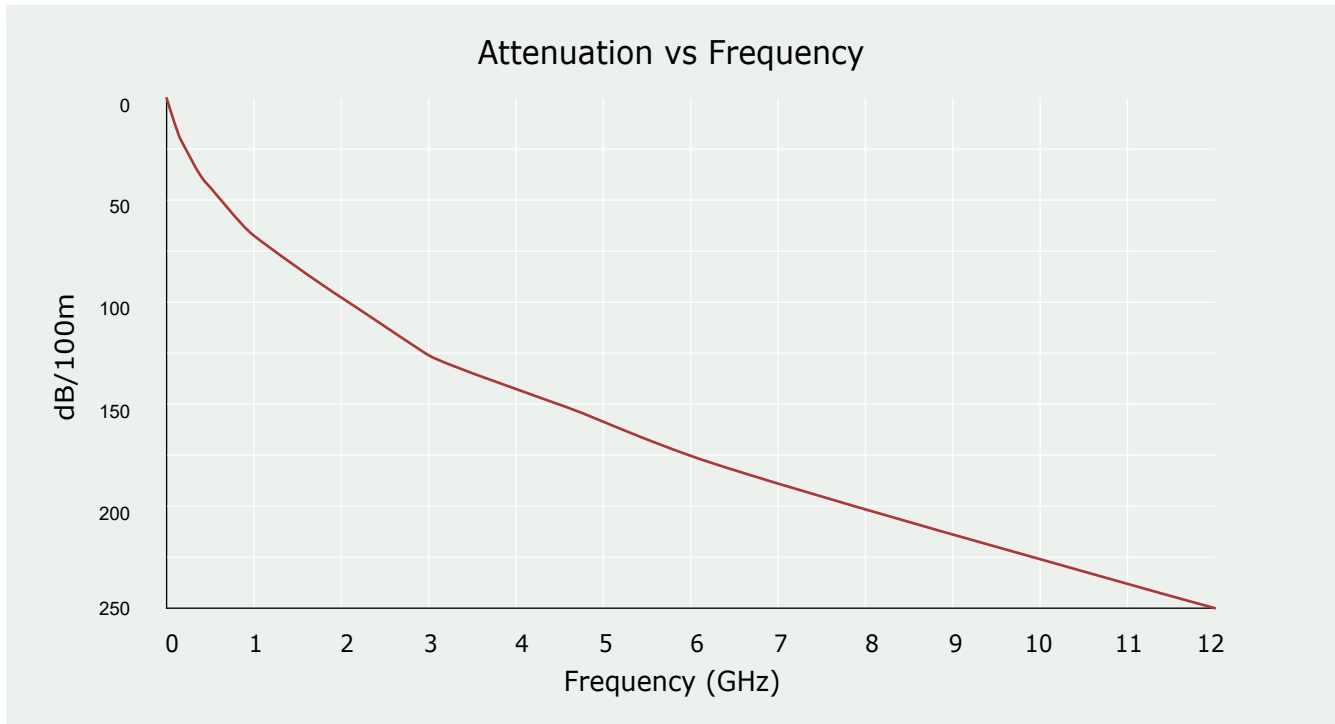
MECHANICAL & ENVIRONMENTAL SPECIFICATION

Bending Radius (static)	8mm
Bending Radius (flexing)	30mm
RoHS Compliant	Yes
Temperature Range	-20 to +75 degrees C

12G-SDI-179D

RG179DT Digital Video Cable, 0.3/1.4

FREQUENCY	ATTENUATION (per 100m)
270.000 MHz	35.50 dB
540.000 MHz	50.50 dB
1000.000 MHz	70.00 dB
3000.000 MHz	126.00 dB
6000.000 MHz	175.00 dB
12000.000 MHz	250.00 dB



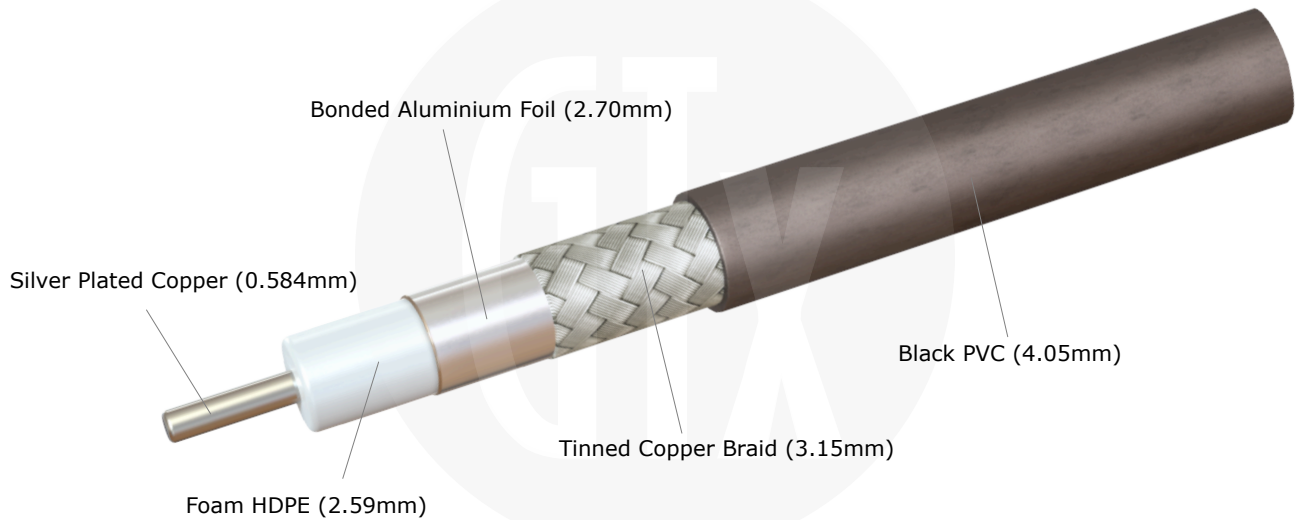
RECOMMENDED MAXIMUM TRANSMISSION LENGTH*

- Single Link 3Gb/s (SMPTE ST425) maximum distance 50m
- Single Link 6Gb/s (SMPTE ST2081) maximum distance 35m
- Single Link 12Gb/s (SMPTE 2082, SMPTE 2083) maximum distance 23m

*based on 40dB loss at 1/2 clock frequency

12G-SDI-M59

Mini RG59 Digital Video Cable, 0.6/2.6



MATERIAL SPECIFICATION

Inner Conductor	Silver Plated Copper (0.584mm)
Dielectric	Foam HDPE (2.59mm)
First Shield	Bonded Aluminium Foil (2.70mm)
Second Shield	Tinned Copper Braid (3.15mm)
Jacket	Black PVC (4.05mm)

ELECTRICAL SPECIFICATION

Impedance	75 Ohms
Max. Frequency	DC to 12 GHz
Capacitance	53 pF/m
Velocity of Propagation	83%

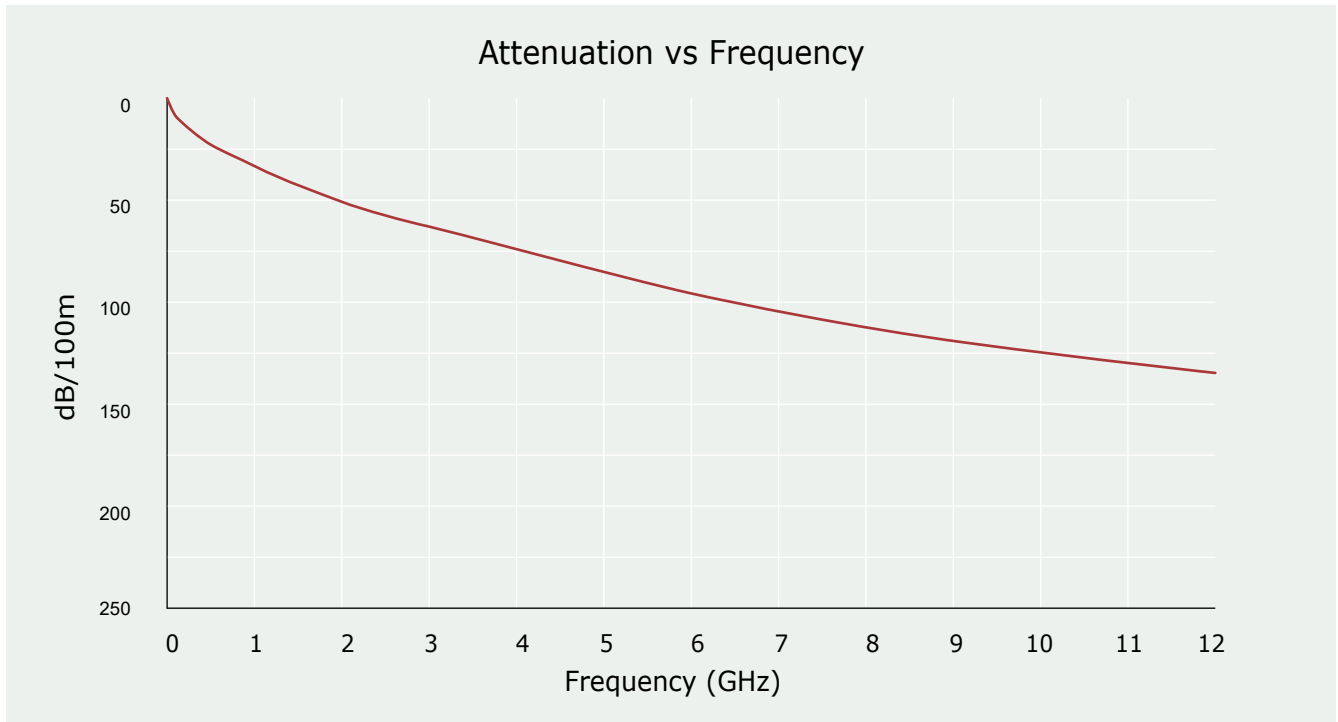
MECHANICAL & ENVIRONMENTAL SPECIFICATION

Bending Radius (static)	14mm
Bending Radius (flexing)	46mm
RoHS Compliant	Yes
Temperature Range	-20 to +75 degrees C

12G-SDI-M59

Mini RG59 Digital Video Cable, 0.6/2.6

FREQUENCY	ATTENUATION (per 100m)
270.000 MHz	17.84 dB
540.000 MHz	25.72 dB
1000.000 MHz	35.40 dB
3000.000 MHz	62.30 dB
6000.000 MHz	90.80 dB
12000.000 MHz	135.00 dB



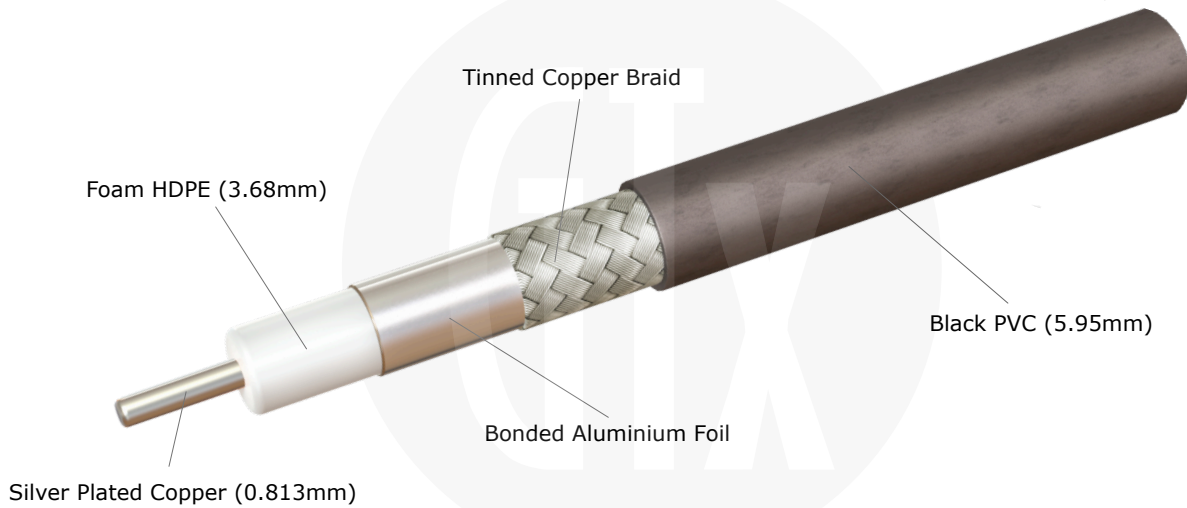
RECOMMENDED MAXIMUM TRANSMISSION LENGTH*

- Single Link 3Gb/s (SMPTE ST425) maximum distance 94m
- Single Link 6Gb/s (SMPTE ST2081) maximum distance 66m
- Single Link 12Gb/s (SMPTE 2082, SMPTE 2083) maximum distance 45m

*based on 40dB loss at 1/2 clock frequency

12G-SDI-59

RG59 Digital Video Cable, 0.8/3.7



MATERIAL SPECIFICATION

Inner Conductor	Silver Plated Copper (0.813mm)
Dielectric	Foam HDPE (3.68mm)
First Shield	Bonded Aluminium Foil
Second Shield	Tinned Copper Braid
Jacket	Black PVC (5.95mm)

ELECTRICAL SPECIFICATION

Impedance	75 ohms
Max. Frequency	DC to 12 GHz
Capacitance	53 pF/m
Velocity of Propagation	83%
Voltage Withstanding	300V RMS Maximum

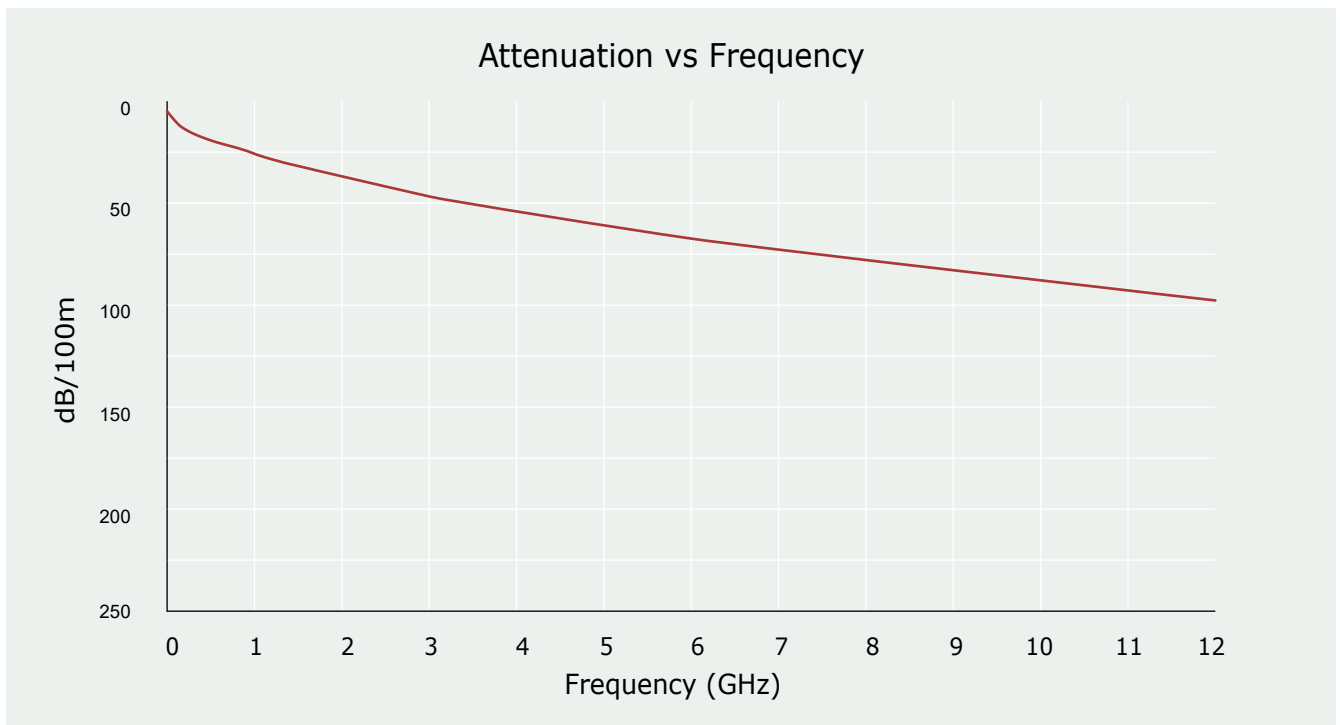
MECHANICAL & ENVIRONMENTAL SPECIFICATION

Bending Radius (static)	18mm
Bending Radius (flexing)	60mm
Temperature Range	-30 to +75 degrees C
RoHS Compliant	Yes

12G-SDI-59

RG59 Digital Video Cable, 0.8/3.7

FREQUENCY	ATTENUATION (per 100m)
270.000 MHz	12.50 dB
540.000 MHz	18.00 dB
1000.000 MHz	25.00 dB
3000.000 MHz	43.90 dB
6000.000 MHz	64.60 dB
12000.000 MHz	94.20 dB



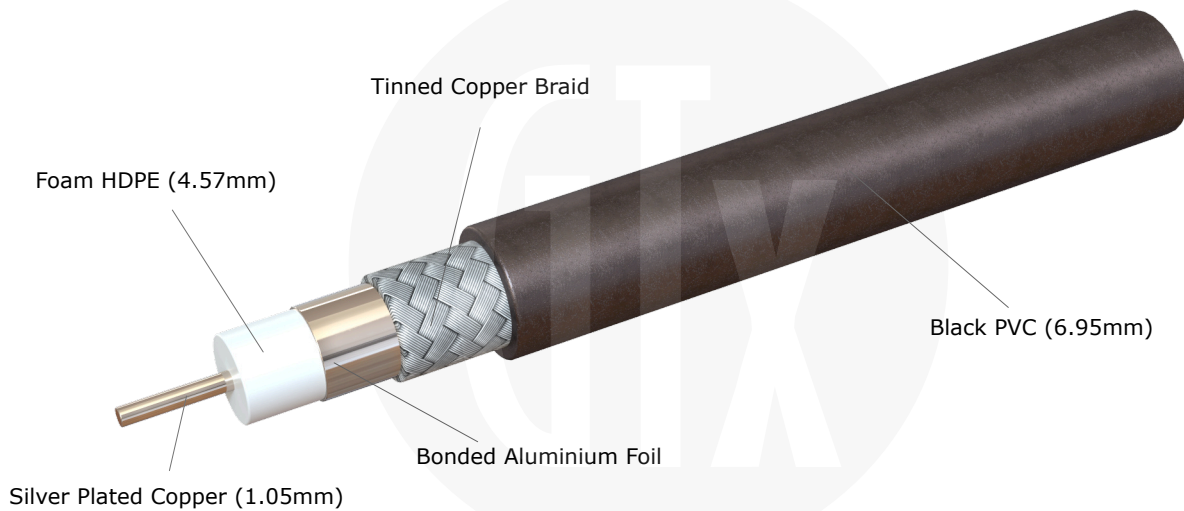
RECOMMENDED MAXIMUM TRANSMISSION LENGTH*

- Single Link 3Gb/s (SMPTE ST425) maximum distance 132m
- Single Link 6Gb/s (SMPTE ST2081) maximum distance 92m
- Single Link 12Gb/s (SMPTE 2082, SMPTE 2083) maximum distance 63m

*based on 40dB loss at 1/2 clock frequency

12G-SDI-6

RG6 Digital Video Cable, 1.0/4.6



MATERIAL SPECIFICATION

Inner Conductor	Silver Plated Copper (1.05mm)
Dielectric	Foam HDPE (4.57mm)
First Shield	Bonded Aluminium Foil
Second Shield	Tinned Copper Braid
Jacket	Black PVC (6.95mm)

ELECTRICAL SPECIFICATION

Impedance	75 ohms
Max. Frequency	DC to 12 GHz
Capacitance	52 pF/m
Velocity of Propagation	84.5%

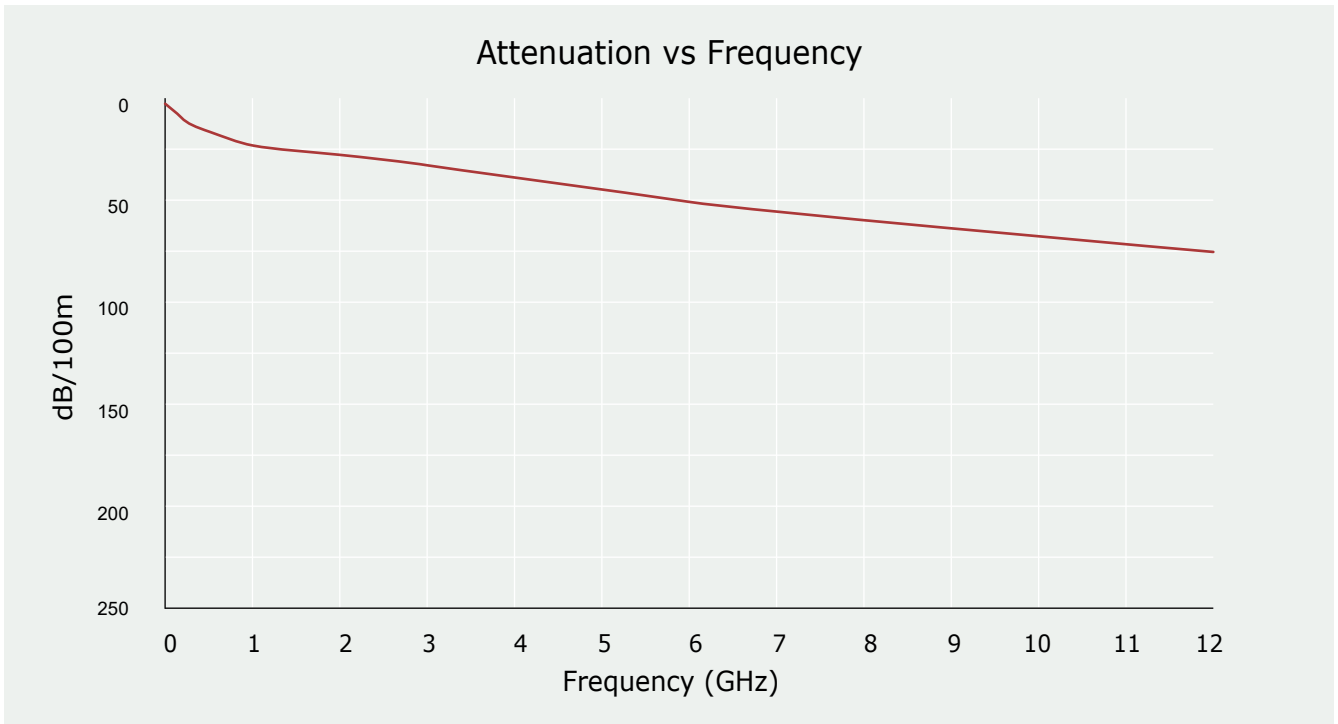
MECHANICAL & ENVIRONMENTAL SPECIFICATION

Bending Radius (static)	23mm
Bending Radius (flexing)	168mm
Temperature Range	-30 to +75 degrees C
RoHS Compliant	Yes

12G-SDI-6

RG6 Digital Video Cable, 1.0/4.6

FREQUENCY	ATTENUATION (per 100m)
270.000 MHz	10.00 dB
540.000 MHz	14.00 dB
1000.000 MHz	19.00 dB
3000.000 MHz	35.00 dB
6000.000 MHz	50.00 dB
12000.000 MHz	75.00 dB



RECOMMENDED MAXIMUM TRANSMISSION LENGTH*

- Single Link 3Gb/s (SMPTE ST425) maximum distance 164m
- Single Link 6Gb/s (SMPTE ST2081) maximum distance 114m
- Single Link 12Gb/s (SMPTE 2082, SMPTE 2083) maximum distance 78m

*based on 40dB loss at 1/2 clock frequency

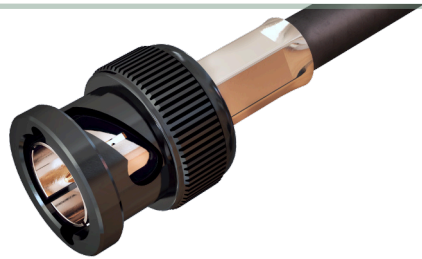
Connector Cross Reference

BNC 12G SDI PLUG, STANDARD COUPLING NUT



Part Number	Cable Type
BN15-0179-C06D-Z	12G-SDI-179D
BN15-4855-C06D-Z	12G-SDI-M59
BN15-1505-C06D-Z	12G-SDI-59
BN15-1694-C06D-Z	12G-SDI-6

BNC 12G SDI, BLACK CHROME COUPLING NUT



Part Number	Cable Type
BN15-0179-C23-Z	12G-SDI-179D
BN15-4855-C23-Z	12G-SDI-M59
BN15-1505-C23-Z	12G-SDI-59
BN15-1694-C23-Z	12G-SDI-6

BNC 12G SDI PLUG, EXTENDED COUPLING NUT



Part Number	Cable Type
BN15-4855-C06X-Z	12G-SDI-M59
BN15-1505-C06X-Z	12G-SDI-59
BN15-1694-C06X-Z	12G-SDI-6

BNC 12G SDI RIGHT ANGLE PLUG



Part Number	Cable Type
BN17-0179-C06-Z	12G-SDI-179D
BN17-4855-C06-Z	12G-SDI-M59
BN17-1505-C06-Z	12G-SDI-59
BN17-1694-C06-Z	12G-SDI-6

Connector Cross Reference

BNC 12G SDI JACK



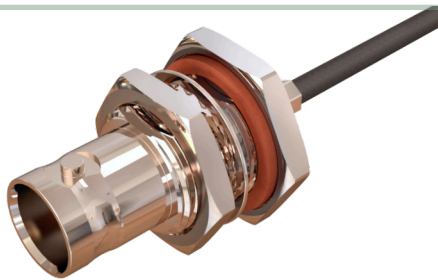
Part Number	Cable Type
BN10-0179-C06-Z	12G-SDI-179D
BN10-4855-C06-Z	12G-SDI-M59
BN10-1505-C06-Z	12G-SDI-59
BN10-1694-C06-Z	12G-SDI-6

BNC 12G SDI BULKHEAD JACK, CIRCULAR FLANGE



Part Number	Cable Type
BN02-017C-C06-1-Z	12G-SDI-179D
BN02-4855-C06-Z	12G-SDI-M59

BNC 12G SDI BULKHEAD JACK, HEXAGONAL FLANGE



Part Number	Cable Type
BN02-0179-C06WP-Z	12G-SDI-179D
BN02-4855-C06WP-Z	12G-SDI-M59

HD (MICRO) BNC 12G SDI PLUG



Part Number	Cable Type
HD15-0179-C06-Z	12G-SDI-179D
HD15-4855-C06-Z	12G-SDI-M59
HD15-1505-C06-Z	12G-SDI-59
HD15-1694-C06-Z	12G-SDI-6

Connector Cross Reference

HD (MICRO) BNC 12G SDI RIGHT ANGLE PLUG



Part Number	Cable Type
HD17-0179-C06-1-Z	12G-SDI-179D
HD17-0628-C06-Z	12G-SDI-M59

HD (MICRO) BNC 12G SDI BULKHEAD JACK



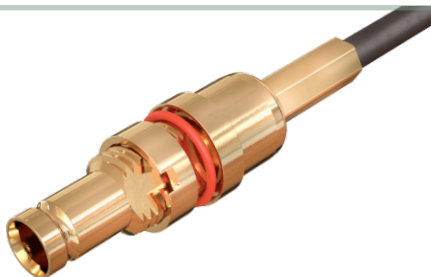
Part Number	Cable Type
HD02-0179-C06-Z	12G-SDI-179D
HD02-4855-C06-Z	12G-SDI-M59

DIN 1.0/2.3 12G SDI PLUG



Part Number	Cable Type
2315-0179-C06-Z	12G-SDI-M59
2315-0628-C06-Z	12G-SDI-59

DIN 1.0/2.3 12G SDI BULKHEAD JACK



Part Number	Cable Type
2302-0179-C01-Z	12G-SDI-179D

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