Datasheet

CONEXIO *jump* NSN

030.8417

SCOPE OF SUPPLY

CONEXIO *jump*, one side assembled HEC-BR with LC duplex, other side assembled NSN boot with LC duplex.

Cable ø 5.6mm.

Packed in plastic bag with label for identification.

GENERAL DESCRIPTION

CONEXIO *jump* cables are specialized assemblies used for FTTA connections and other applications that present environmental challenges. These cables are designed to conform to Telcordia standards GR-3120 and IEC 61753-1. They are primarily used for Fiber to the Antenna connections.

FEATURES

- Designed for outdoor applications
- LSZH outdoor rated cable jacket containing water-blocking aramid yarn
- Cable ø 5.6mm
- Operating temperature -40 °C to 75 °C
- Lowest insertion loss
- HEC-BR to NSN®
- Furcation tubes with strength member
- Factory tested and performance certified
- IEC 61753-1 Category E compliant
- Telcordia GR 3120 compliant
- UL-V0 compliant material

PRODUCT-NO	PRODUCT DESCRIPTION	PU
900319	CJ-HECBRLCdC2-NSNC2-56DA1-2	1
900320	CJ-HECBRLCdC2-NSNC2-56DA1-5	1

STANDARDS

- GR-3120-CORE
- IEC 61753-1 Category E (extreme environment)

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OPTICAL PERFORMANCE

DESCRIPTION	GRADE Bm/3	GRADE Am/2	GRADE C/2	GRADE C/1
Insertion loss (IL) 95% IEC 61300-3-34	≤ 0.50dB*	≤ 0.25dB*	≤ 0.50dB*	≤ 0.50dB*
Insertion loss (IL) typical value IEC 61300-3-34	≤ 0.25dB*	≤ 0.15dB*	≤ 0.35dB*	≤ 0.35dB*
Return loss (RL) IEC 61300-3-6	≥ 35dB	≥ 45dB	≥ 45dB	≥ 60dB ≥ 55dB unmated

* Attenuation values for connector including mechanical splice. Random measurement against Grade Bm resp. Grade C connector.

MECHANICAL DATA

Generic requirements for Hardened Fiber Optic Connectors (HFOCs) and Hardened Fiber Optic Adapters (HFOAs) GR-3120-CORE

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Mating durability	500x minimum	IEC 61300-2-2
Cable retention HEC Cable retention NSN	450N (100lbf), ≥ 60s 70N, ≥ 60s	GR-3120-CORE IEC 61300-2-4
Side load (90° side pull): HEC Side load (90° side pull): NSN	70N (15lbf), ≥ 60s 10N, ≥ 60s	GR-3120-CORE IEC 61300-2-42
Repeated bending	100 cycles -90° / 0° / +90° / 0° load = 0.2N	IEC 61300-2-44
Vibration	10-55Hz, 1 octave / min. 3 axes of 15 cycles, 0.5h / axis amplitude 0.75 mm	IEC 61300-2-1
Torsion	45N (10lbf), ±90°and ±180°; 10 cycles	GR-3120-CORE IEC 61300-2-5
Cable flex test HEC NSN	8 cycles -90° / 0° / +90° / 0° load = 45N (10lbf) load = 4.5N (1lbf)	GR-3120-CORE
Drop	1.5 m, 5 times	IEC 61300-2-12
	5m and 15 feet, 2 times each	GR-3120-CORE
Water resistance test: HEC Water resistance test: NSN	IP 68: 10feet (3m), 7d, 23°C IP65	GR-3120-CORE

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CLIMATICAL DATA

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Cold	-10°C, 96h	IEC 61300-2-17
Dry heat	+60°C, 96h	IEC 61300-2-18
Change of temperature	-40°C to +85°C, 12 cycles	IEC 61300-2-22
	-40°C to +75°C, 21 cycles	GR-3120-CORE
	-40°C to +85°C, 100 cycles	MIL-STD-883, Meth 1010
Humidity	-10°C to +65°C, 90 – 100%RH, 14 cycles/168h	

LONG TERM ENDURANCE

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Heat resistance	+70°C, 1000h	IEC 61300-2-18
	+85°C, <40%RH, 168, 500, 1'000, 2'000 & 5'000h	GR-3120-CORE
Damp heat	+40°C at 93%RH, 96h	IEC 61300-2-19
	+75°C at 95%RH, 2'000h	GR-3120-CORE
UV resistance	UVB: type 313, 2160h	ASTM G 154 (Cycle 3)
		ISO 4982-2

FIRE PROPERTIES

DESCRIPTION	VALUE / VALUE RANGE	STANDARD
Halogen free, acid gases	Pass	
RoHS	Pass	

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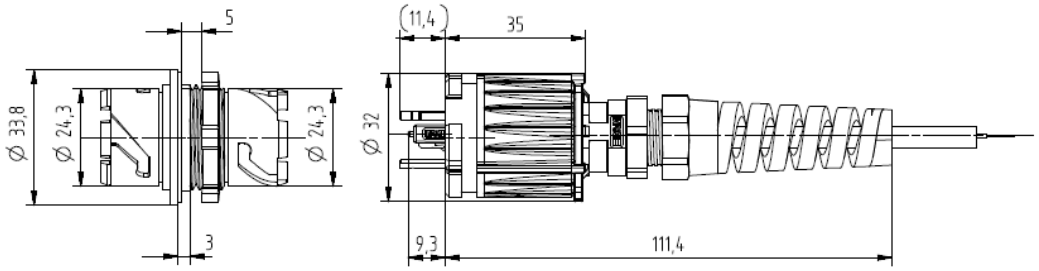
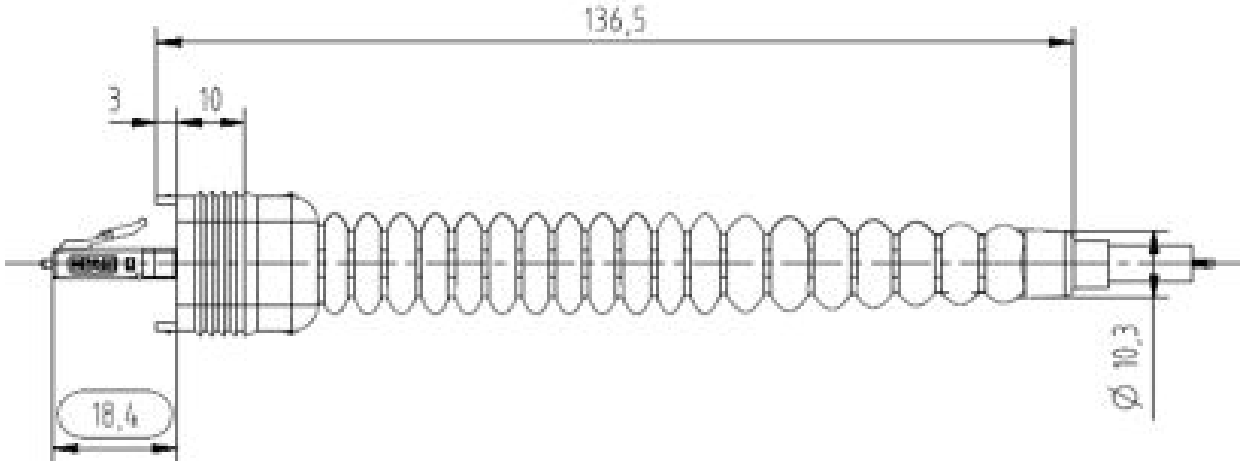
TECHNICAL DRAWING HEC-BR LC duplex

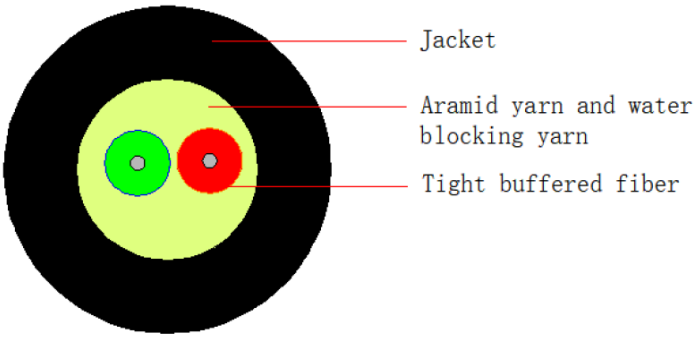


TECHNICAL DRAWING NSN



TECHNICAL DRAWING CABLE

Diameter:	ø 5.6 ± 0.2mm
Strength member:	Aramid yarn
Water blocking member:	Water blocking yarn
Buffer:	LSZH (Red-1, Green-2)
Jacket	LSZH (Black)
Cable standard	IEC 60794-2



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