Accessories

This section includes information about cables and mount options.

Cable assembly chart

The next table lists the part numbers and description for cable assemblies.

Part number	Description
CB-015-N	Antenna cable assembly, 1.5 meter LMR-400 with integrated lightning arrestor, N-type connector
CB-015-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 1.5 meter LMR-400 cables with integrated lightning arrestor, N-type connector
CB-C-025-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 2.5-meter LMR-400 cables with integrated lightning arrestor, N-type connector
CB-050-N	Antenna cable assembly, 5-meter LMR-400 with integrated lightning arrestor, N-type connector
CB-C-015-N	Antenna cable assembly, 1.5-meter LMR-400
CB-C-015-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 1.5-meter LMR-400 cables
CB-C-025-N-MIMO	MIMO antenna cable assembly for 5200 and 7020. 3-in-1 bundled 2.5-meter LMR-400 cables
CB-C-050-N	Antenna cable assembly, 5-meter LMR-400 cable
CB-LT-01	RF Lightning arrestor
3200-2102	Single Ethernet transition cable with watertight Ethernet connector, 2-meter cable

Performance domain	Component	Description
Electrical	Impedance Operating frequency VSWR/return loss Insertion loss Average power Maximum surge current Residual pulse voltage Protection circuit Energy throughput	50 ohms 2000 to 6000 MHz 1.2:1 / less than -20 dB 0.2 dB 50 W 10 kA multiple (1.2 x 50/8 x 20 waveform) < 3 V 6 kV/3kA (1.2 x 50/8 x 20 waveform) DC blocked < 150 nJ

CB-015-N

Cable assembly CB-015-N is for:

- High frequency applications
- Production tests
- RF tests in the field

The next table lists its physical and mechanical specifications.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black polyethylene 50 ohms 1.029 mm (0.405 inch) N-male; one end with surge arrestor Gold Nickel-plated brass 1.5 meters (4.9 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss at 2.0 to 5.9GHz Maximum VSWR at 2.0 to 5.9GHz Withstanding voltage (DWV)	1.0dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-015-N-MIMO

Cable assembly CB-015-N-MIMO is for:

- High frequency applications
- Production tests
- RF tests in the field

The assembly is a bundle of three cables joined with shrink tubing at each end of the cable. Each cable connector has a color label: one blue, one red, and one yellow.

The next table lists its physical and mechanical specifications

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black thermoplastic elastomers 50 ohms 1.029 mm (0.405 inch) N-male; one end with surge arrestor Gold Nickel-plated brass 1.5 meters (4.9 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss 2.3 to 2.5GHz 5.7 to 5.9GHz Maximum VSWR 2.3 to 2.5GHz: 5.7 to 5.9GHz: Withstanding voltage (DWV)	 0.80dB 1.26dB 1.25:1 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-C-025-N-MIMO

Cable assembly CB-C-025-N-MIMO is for:

- High frequency applications
- Production tests
- RF tests in the field

The assembly is a bundle of three cables joined with shrink tubing every 0.3 m (12 inches) along the length of the cable. Each cable connector has a color label: one blue, one red, and one yellow. The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black thermoplastic elastomers 50 ohms 1.029 mm (0.405 inch) N-male; one end with surge arrestor Gold Nickel-plated brass 2.5 meters (8.2 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 13 kg (30 pounds) non-destructive 45 kg (100 pounds) destructive
Electrical	Maximum Insertion Loss 2.3 to 2.5GHz 5.7 to 5.9GHz Maximum VSWR 2.3 to 2.5GHz 5.7 to 5.9GHz Withstanding voltage (DWV)	 0.80 dB 1.26 dB 1.25:1 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-050-N

Cable assembly CB-050-N is for:

- High frequency applications
- Production tests
- RF tests in the field

The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black polyethylene 50 ohms 1.029 mm (0.405 inch) N-male; one end with surge arrestor Gold Nickel-plated brass 5 meters (16 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss at 2.0 to 5.9GHz Maximum VSWR at 2.0 to 5.9GHz Withstanding voltage (DWV)	2.3dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-C-015-N

Cable assembly CB-C-015-N is for:

- High frequency applications
- Production tests
- RF tests in the field

The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black polyethylene 50 ohms 1.029 mm (0.405 inch) N-male Gold Nickel-plated brass 1.5 meters (4.9 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss at 2.0 to 5.9GHz Maximum VSWR at 2.0 to 5.9GHz Withstanding voltage (DWV)	1.0 dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-C-015-N-MIMO

Cable assembly CB-C-015-N-MIMO is for:

- High frequency applications
- Production tests
- RF tests in the field

The assembly is three cables joined with shrink tubing 0.6 meter (1.9 feet) from each end of the cable. Each cable connector has a color label: one blue, one red, and one yellow.

The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black thermoplastic elastomers 50 ohms 1.029 mm (0.405 inch) N-male Gold Nickel-plated brass 2.5 meters (8.2 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 13 kg (30 pounds) non-destructive 45 kg (100 pounds) destructive
Electrical	Maximum Insertion Loss 2.0 to 5.9GHz Maximum VSWR 2.0 to 5.9GHz Withstanding voltage (DWV)	 1.0 dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-C-025-N-MIMO

Cable assembly CB-C-025-N-MIMO is for:

- High frequency applications
- Production tests
- RF tests in the field

The assembly is a bundle of three cables joined with shrink tubing every 0.3 m (12 inches) along the length of the cable. Each cable connector has a color label: one blue, one red, and one yellow.

The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black thermoplastic elastomers 50 ohms 1.029 mm (0.405 inch) N-male Gold Nickel-plated brass 2.5 meters (8.2 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss 2.0 to 5.9GHz Maximum VSWR 2.0 to 5.9GHz Withstanding voltage (DWV)	 1.4 dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C

CB-C-050-N

Cable assembly CB-C-050-N is for:

- High frequency applications
- Production tests
- RF tests in the field

The next table lists its physical and mechanical specification.

Performance domain	Component	Description
Mechanical	Cable jacket Impedance Diameter Connectors Pin plating Connector body Cable length Connector-cable interface Bend radius Connector retention force	Black polyethylene 50 ohms 1.029 mm (0.405 inch) N-male Gold Nickel-plated brass 5 meters (16 feet) Moisture proof, sealed with adhesive lined heat shrink boot 5 cm (2 inches) 23 kg (50 pounds) non-destructive 72 kg (160 pounds) destructive
Electrical	Maximum Insertion Loss at 2.0 to 5.9GHz Maximum VSWR at 2.0 to 5.9GHz Withstanding voltage (DWV)	2.3dB 1.35:1 500V minimum
Environmental	Storage Temperature Range Operating Temperature Range	-70 to +85 degrees C -40 to +85 degrees C