



Antennas

DATA SHEET

AISG Cable Kit

OPA-CBK-RA-AG-RRU



- AISG 1.1 and 2.0 compliant control cables
- Offset keying for right angle cables
- IP67 outdoor ingress protection (when properly mated)
- Flame retardant per UL 1581 VW-1
- Matte polyurethane jacket (Black)
- Connectors 2 x 8 pin (male/female) per IEC 60130-9
- Tinned copper braid shield material

Overview

CCI's OctoPort antenna to remote radio unit (RRU) AISG Cable Kits provides all the required cables for the successful deployment of CCI's OctoPort antennas and any CCI antennas with four Remote Electrical Tilt (RET) actuators. All of the control cables included in the kit are AISG 1.1 and AISG 2.0 compliant.

AISG control of the OctoPort's four high band ports covering 1710-2360 MHz, two low band ports covering 698-787 MHz and two low band ports covering 824-894 MHz, can be configured in several ways. Depending on your requirements, a single RRU can be designated as the AISG controller whereby it controls both the high band ports and low band ports of the antenna. Another configuration will allow a low band RRU to control the low band antenna ports and a high band RRU to control the high band ports of the antenna. The AISG cable kit provides all the necessary cables to enable both of the above configurations. The 10 foot AISG cables enable connection from the RRU to the antenna, while the 20" AISG cables are for daisy chaining between RET actuators.



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SPECIFICATIONS

AISG Cable Kit

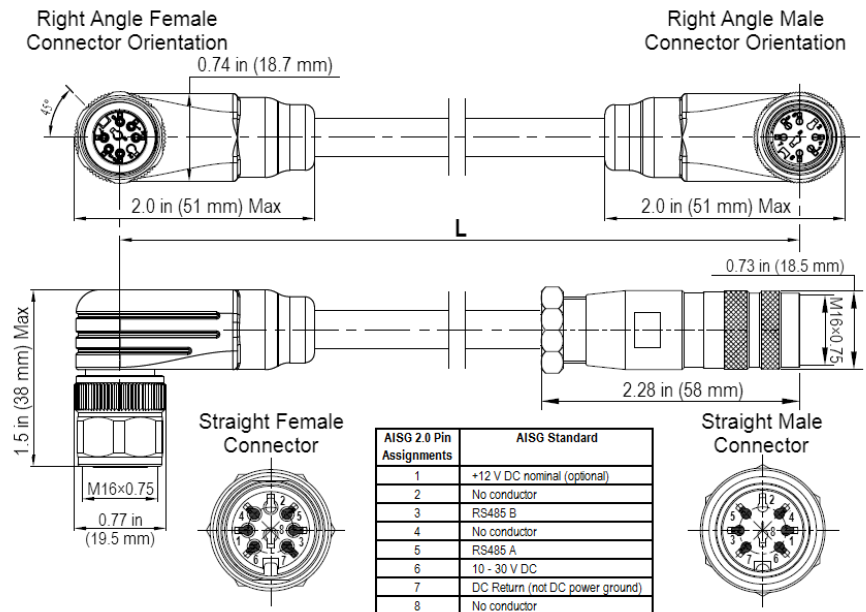
OPA-CBK-RA-AG-RRU

Electrical Specifications

Individual Cable Part Number	AISGC-MRA-FRA-20	AISGC-M-FRA-10FT
Cable style	UL2464	UL2464
Protocol	AISG 1.1 and AISG 2.0	AISG 1.1 and AISG 2.0
Maximum voltage	300 V	300 V
Rated current	5 A at 104° F (40° C)	5 A at 104° F (40° C)

Mechanical Specifications

Individual Cable Part Number	AISGC-MRA-FRA-20	AISGC-M-FRA-10FT
Cables per kit	3	2
Connectors	2 x 8 pin IEC 60130-9 Right angle male/right angle female	2 x 8 pin IEC 60130-9 Straight male/right angle female
Tightening torque	Hand tighten only \approx 1.84 ft-lbs (2.5 N-m)	Hand tighten only \approx 1.84 ft-lbs (2.5 N-m)
Construction	Shielded (Tinned Copper Braid)	Shielded (Tinned Copper Braid)
Braid coverage	85%	85%
Jacket Material	Matte Polyurethane (Black)	Matte Polyurethane (Black)
Conductors	1 twisted pair - 24 AWG 3 conductors - 19 AWG AWM style 2464	1 twisted pair - 24 AWG 3 conductors - 19 AWG AWM style 2464
Cable Diameter	0.307 in (7.8 mm)	0.307 in (7.8 mm)
Length	20 in (508 mm)	120 in (3048 mm)
Weight	0.23 lbs (0.10 kg)	0.77 lbs (0.35 kg)
Minimum bend radius	3.9 in (100 mm)	3.9 in (100 mm)



Right Angle to Right Angle and Right Angle to Straight Jumper Cable



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Environmental Specifications

Individual Cable Part Number	AISGC-MRA-FRA-20	AISGC-M-FRA-10FT
Temperature Range	-40° to 80° C	-40° to 80° C
Flammability	UL 1581 VW-1	UL 1581 VW-1
Ingress Protection	IEC 60529:2001, IP67	IEC 60529:2001, IP67



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ORDERING

AISG Cable Kit

OPA-CBK-RA-AG-RRU

Parts & Accessories

Kit Part Number	OPA-CBK-RA-AG-RRU
Number of Cables	5
Overall Length	300 in (7690 mm)
Overall Weight	2.2 lbs (1.0 kg)