

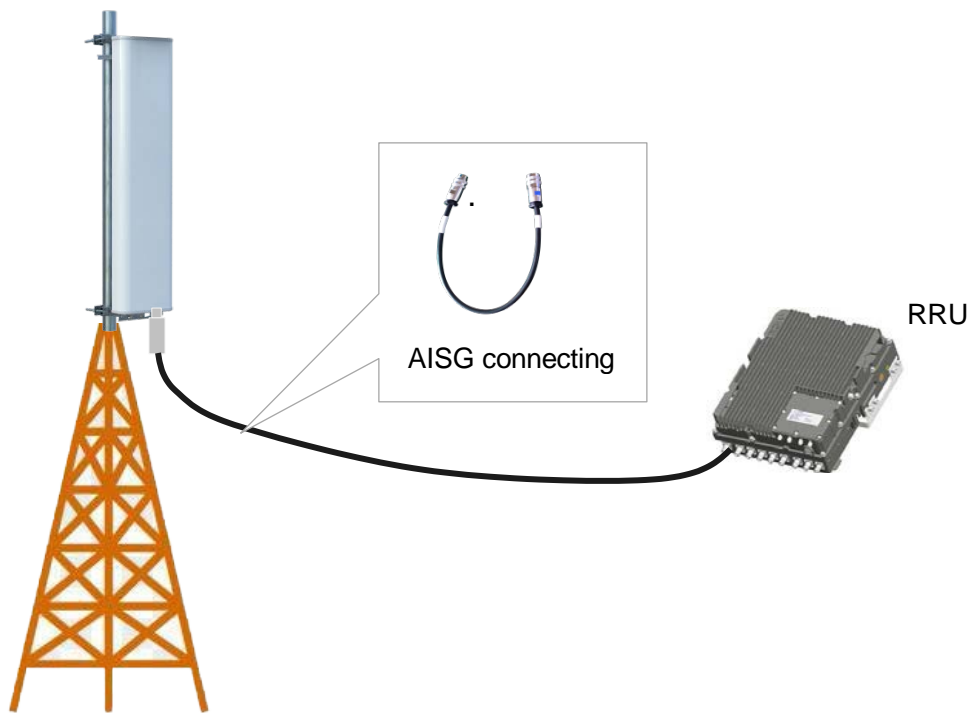
Technical description of cable

1.introduction

1)Use:

Multi-core cable connection to ALD (Antenna Line Device) for power supply and control signal. The connectors are compatible with AISG (Antenna Interface Standards Group) /IEC60130-9; IEC60227. For indoor and outdoor use.

2)Application 1: Used for connection between RCU and RRU of antenna

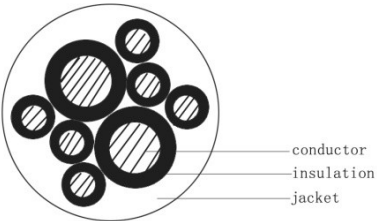


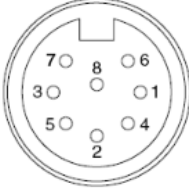
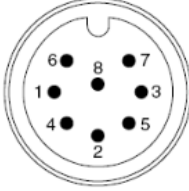

Application 2: Used for connection between RCU and RCU of antenna


3)Manufacturer: Tongyu Technology Inc.

5)Link to the website: www.tycc.cn

2、 Specifications

Electrical specifications	
Product number	TY-AISG Cable-FM_Xm(Length)
Standard	AISG / IEC60130-9,IEC60227
H.S.code	854449
Operating voltage	250V AC
Multi-core flexible cable	2 x 0.75mm ² + 6 x 0.2mm ² conductor line 8.4±0.3mm O.D. ke (jact)
Design, drawing	
insulation	PVC, 0.3mm thickness
jacket	PVC, 0.6mm thickness
Connectors	2 x 8 pin IEC60130-9, female/male

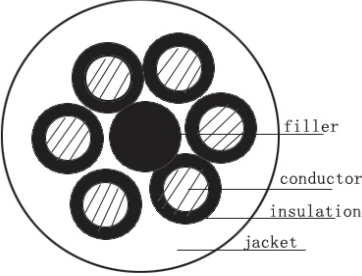

Design, drawing	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Female</p>  </div> <div style="text-align: center;"> <p>Male</p>  </div> </div>
Photo of finished product	
Mechanical specifications	
Length	0.5m, 1m, 2m, 3m, 5m, 10m, 15m, 20m, 25m, 30m, 35m, 40m, 45m, 50m, 55m, 60m, 65m, 70m, 75m, 80m, 85m, 90m, 95m, 100m
Weight(kg)	80Kg/km (approximately, exclude connectors)
Environmental specifications	
Operating temperature range	-40 °C ~ +80 °C
Operating humidity range	0% ~ 95% RH
Waterproof	IP 67 (when mated)

AISG Cable Specification

Part No.:

Usage&application: Multi-core cable connection to ALD (Antenna Line Device) for power supply and control signal. The connectors are compatible with AISG (Antenna Interface Standards Group) /IEC60130-9.

For indoor and outdoor use.

Drawing & design			Configurations									
			Briad Shield Material		/							
			Construction		/							
			Coverage		/							
			Jacket Material		ABS							
			Normal Thickness (mm)		0.60							
			Min. Thickness (mm)		0.42							
			Jacket Diameter(mm)		8.4±0.20							
			Weight(kg/km)		80							
			Remark		/							
Marking			Color									
TY-AISG Cable 6x0.5FM_Xm(Length)			Insulation	First choice		Second choice						
				Brown		According to Customer's requirements						
Blue												
Yellow/Green												
Description			Jacket	Black								
Application	For electrical power transmission and distribution line,control signal											
Rated Voltage (V)	300/300,suitable for 12V / 24V DC (Pin1 / Pin6)											
Flammability Test	IEC 60332-1-2:2004											
Rated Temp. Range (°C)	-40~80		Electrical Characteristic									
Min.Installation Temp.(°C)	-40		Max.DC Resistance at 20°C(Ω/km)	40.1(Ω/km)								
Storage Temp.(°C)	-45		Min. Insulation DC Resistance (MΩ.km)	0.012(MΩ.km)								
Min Operation Temp.(°C)	-40		Dielectric Strength(AC KV/min)	2.0/5								
Reference Standard	IEC 60227-5:2003											
Configurations			Mechanical and Physical Characteristics									
Conductor Material			Tinned copper		Test Material		Insulation		Jacket			
Section Area,resistance DC 25			6x0.5(mm2)		Before Aging	Tensile Strength		≥10.0MPa		≥10.0MPa		
						Elongation		≥150%		≥150%		
Conductor Structure			16/0.20		Aging Condition		80°C±2°C, 168h		80°C±2°C, 168h			
Conductor Diameter(mm)			/		After Aging	Tensile Strength Variation		≤±20%		≤±20%		
Insulation Material			ABS			Elongation Variation		≤±20%		≤±20%		
Normal Thickness (mm)			0.3									
Min. Thickness (mm)			0.25									
Insulation Diameter(mm)			1									
Filler Material			soft plastic		Environment Requirements							
Cores Assembly (mm)			/		RoHS		Meet the standard of RoHS					
Pitch of Twisted (mm)			/									
Tape Material			/									
Overlapping			/		Manufactory Info.							
Revision History												
Version			Editor			Time			Tongyu Technology Inc. www.tycc.cn			
1.0			TINGFENG.JING			20-Aug-18			Prepared by:		TINGFENG.JING	
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									Approved by:		20-Aug-18	