

6~216C Aerial Cable Data Sheet

Features:

- Comply with ITU specifications.
- Comply with ITU, IEC and EIA/TIA-FOTP test standards.
- Reliability and stability.
- Cost savings & high efficiency on cable installation.
- Light weighted, bending resistant for installation at inhospitable area.
- Water penetration resistant.
- Free from EMI.
- Comply with ISO 9001.

Applications:

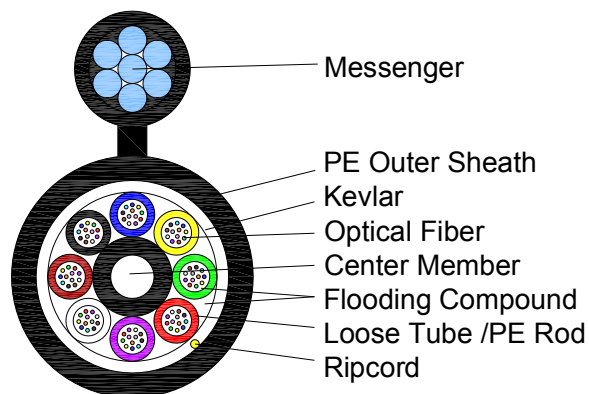
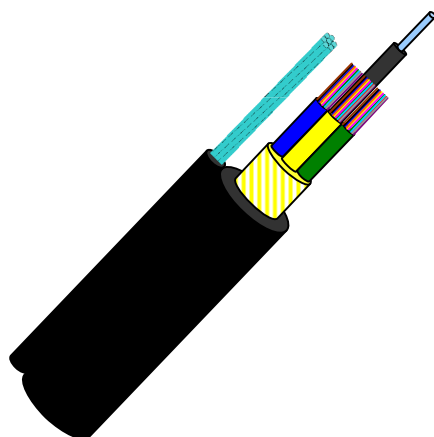
- Long span optical communication system.
- LAN
- High speed transmitting system.
- Data, voice, video, and telecom applications.
- Excellent performance for operation under static and EMI interference.
- FTTX installation.

Date: 2012/12/04

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Construction:

1. Single Sheath



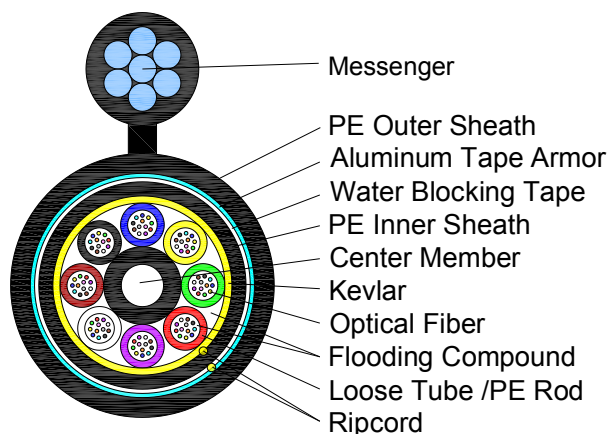
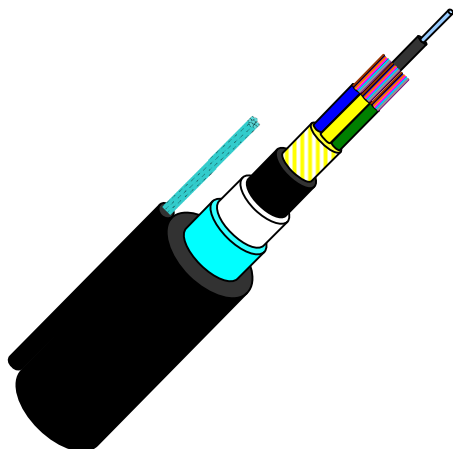
Specification :

Item		Specification Chart						
		6C Clusters			12C Clusters			
Fiber QTY		6~30	36	48	72	96	144	216
No. of Loose Tube (Included PE Rod)		5	6	8	6	8	12	18
Galvanized steel wire	O.D. (mm)	1.8	1.8	2.3	2.6	2.6	2.6	2.6
	PE Sheath O.D. (mm)	2.2	2.7	4.2	3.3	5.5	9.5	3.3
Galvanized Steel Strand	Spec.	1.6x7Wires	1.6x7Wires	1.6x7Wires	1.6x7Wires	1.6x7Wires	1.6x7Wires	1.6x7Wires
	PE Sheath O.D. (mm)	6.8	6.8	6.8	6.8	6.8	6.8	6.8
Thickness of PE Sheath (mm)		1.7	1.7	1.7	1.7	1.7	1.7	1.7
Cable O.D. (mm)		11.6x18.4	12.1x18.9	14.0x20.8	14.0x20.8	16.0x22.8	20.0x26.8	18.0x24.8
Weight of Cable (kg/km)		250	265	310	310	360	460	455
Max. Allowance of Pulling Force (N)		3000						
Min. Bending Radius		20D(Operating) ∙ 10D(Storage & Operation) ∙ D=Cable Outer Diameter						
Operating Temp.		-20 ~ +80℃						
Storage & Operation Temp.		-20 ~ +80℃						
Mechanical Tests	Item			Test Method			Spec(Db/km)	
	Crush Resistance			TIA/EIA-455-41A or IEC 60794-1-2-E3			< 0.2dB	
	Cable cyclic flexing			TIA/EIA-455-104A or IEC 60794-1-2-E6			< 0.2dB	
	Impact Resistance			TIA/EIA -455-25B or IEC 60794-1-2-E4			< 0.2dB	
	Twist test			TIA/EIA-455-85A or IEC 60794-1-2-E7			< 0.2dB	
	Tensile loading and bending test			TIA/EIA-455-33A or IEC 60794-1-2-E1			< 0.2dB	
Quality Assurance System								
●Comply with IEC & EIA testing standards ●Approved by CHT, Taiwan. ●ISO9001 Certified.								

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2. Double Sheaths



Specification :

Item		Specification Chart					
		6C Clusters		12C Clusters			
Fiber QTY		1~36	48	72	96	144	216
No of Loose Tube (Included PE Rod)		6	8	6	8	12	18
Galvanized Steel Wire	O.D. (mm)	2.0	2.3	2.6	2.6	2.6	2.6
	PE Sheath O.D. (mm)	2.7	4.2	3.3	5.5	9.5	3.3
Galvanized Steel Strand	Spec.	1.8x7 Wires	1.8x7 Wires	2.0x7 Wires	2.0x7 Wires	2.0x7 Wires	2.0x7 Wires
	PE Sheath O.D. (mm)	7.4	7.4	8.0	8.0	8.0	8.0
Thickness of PE Sheath (mm)		1.7	1.7	1.7	1.7	1.7	1.7
Cable O.D. (mm)		14.5x21.9	16.2x23.6	16.2x24.2	18.5x26.5	22.5x30.5	20.0x28.0
Weight of Cable (kg/km)		360	415	450	505	525	515
Max. Allowance of Pulling Force (N)		2730					
Min. Bending Radius		20D(Operating) 、 10D(Storage & Operation) , D=Cable Outer Diameter					
Operating Temp.		0 ~ +85℃					
Storage & Operation Temp.		-30 ~ +85℃					
Mechanical Tests	Item	Test Method				Spec(Db/km)	
	Crush Resistance	TIA/EIA-455-41A or IEC 60794-1-2-E3				< 0.2dB	
	Cable cyclic flexing	TIA/EIA-455-104A or IEC 60794-1-2-E6				< 0.2dB	
	Impact Resistance	TIA/EIA -455-25B or IEC 60794-1-2-E4				< 0.2dB	
	Twist test	TIA/EIA-455-85A or IEC 60794-1-2-E7				< 0.2dB	
	Tensile loading and bending test	TIA/EIA-455-33A or IEC 60794-1-2-E1				< 0.2dB	

Quality Assurance System

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