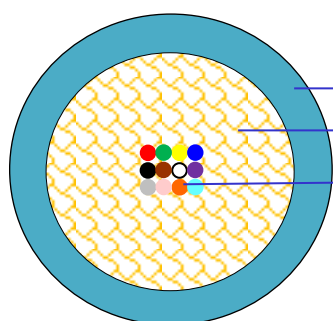


Cable Specifications Data Sheet

WI0301-548-E

Description	S3.0-12MB- PVC-OFNP Optical Cable	Date	04-03-2018
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1. PVC Sheath
2. Aramid Yarn
3. Fiber

Specification:

Fiber Type	BSM G.652.D	MM 50/125 OM3	MM 62.5/125
CORE DIAMETER(μm)	9±0.7	50±2.0	62.5±3.0
CLADDING DIAMETER(μm)	125±1	125±2	125±2
Attenuation	< 0.4dB@1310nm < 0.25dB@1550nm	< 3.0dB@850nm < 0.8dB@1300nm	< 3.2dB@850nm < 1.0dB@1300nm
Core	1~12		
Fiber Color	Blue、Orange、Green、Brown、Gray、White、Red、Black、Yellow、Purple、Pink、Aqua		
Strength Member	Aramid Yarn 6000D		
Cable Diameter(mm)	3.0 mm ±0.15		
Jacket color / Material	Yellow /PVC-OFNP	Aqua /PVC-OFNP	Orange/PVC-OFNP
Cable Weight	≒ 10.2Kg/Km		
Tensile Load	800N Residual		
Minimum Bending Radius	~ 10 Ø(Cable O.D.)		
Install Temp.	0 ~ +70℃		
Operation Temp	0 ~ +70℃		
Storage Temp	-40 ~ +75℃		

Mechanical Test

Item	Test Method	Spec (dB/km)
Crush Resistance	TIA/EIA-455-41A or IEC 60794-1-2-E3	1.0 kgf/mm, 10 mins; < 0.2dB
Cable cyclic flexing	TIA/EIA-455-104A or IEC 60794-1-2-E6	25 Times, 4.5kg load; < 0.2dB
Impact Resistance	TIA/EIA-455-25B or IEC 60794-1-2-E4	20 Impacts, 2kg load; < 0.2dB
Twist test	TIA/EIA-455-85A or IEC 60794-1-2-E7	10 Times, 10 mins; < 0.2dB
Tensile loading and bending test	TIA/EIA-455-33A or IEC 60794-1-2-E1	800N load, 10mins; < 0.2dB

Quality Assurance System <ul style="list-style-type: none"> ● Comply with IEC & EIA testing standards ● Approved by CHT, Taiwan. ● ISO9001 Certified. 			Standard Print				
			BSM	()C-12MB- PVC -BSM			
			MM 50	()C-12MB - PVC -MM 50			
			MM 62.5	()C-12MB - PVC -MM 62.5/125			
Apprvd	Allen Tsai	Verify		Made	Micro	Version	E