

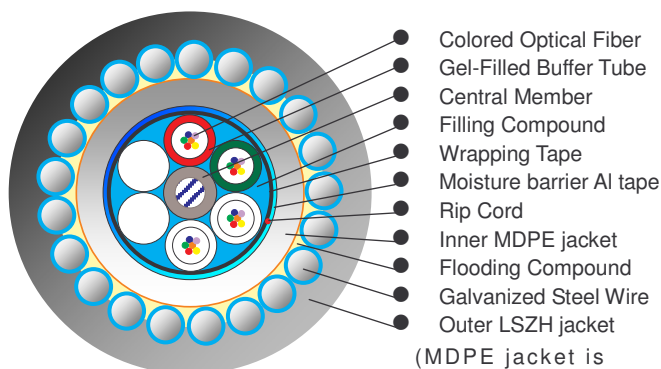
Highway Agency Duct Cable – SWA

Double Jacket Steel Wire Armoured (TR 2159B)

Drawing No: HA SWA
June 2003

Description

SAMSUNG Steel Wire Armoured cable offers highly reliable, industry standard performance and accommodates the flexible and versatile needs for direct-buried and underwater installation. This steel wire armoured cable provides the cable with ultimately high tensile strength enabling installation in tough terrain and river and operational reliability under severe conditions.



Feature/Benefit

- Up to 288 fibres
- Proven loose tube design for performance
- SZ stranding design allows for easy mid-span access and isolate fibres from installation and environmental rigors
- Water blocking filling compound prevents water penetration along the cable
- Customer design available upon request
- Steel wire: 2.0 ~ 2.6 mm

Cable Drawing

*Drawing is not to scale

Characteristics	Unit	Fibre Count		
		2 ~ 36	2 ~ 48	2 ~ 72
Tube type	-	B	C	D
Fibres per tube	-	6	8	12
Nominal outer diameter	mm	20.4	20.4	20.4
Nominal cable weight	kg/km	880	885	890
Maximum tensile load	kN	20.0	20.0	20.0
Minimum bending radius				
- Short term [Loaded]: 20*OD	mm	373	373	390
- Long term [Installed]: 15*OD	mm	280	280	293
Crush resistance	N/10cm		5,000	
Temperature				
- Operation/Storage	°C		-40 ~ + 70	
- Installation			-10 ~ + 60	

Mechanical Performance

* Tested in accordance with IEC 60794-1

Note

- Fibre colors by IEC60304: Blue/Orange/Green/Brown/Slate/White/Red/Black/Yellow/Violet/Rose/Aqua
- Tube colors: 1st tube Red, Intermediate tubes Natural, Last tube Green
- Diameter represents a nominal value and may vary by $\pm 5\%$.
- Sheath marking legend: hot foil stamp (indented)

Ex) Manufacturing year (ex. 2003) OPTILAN - SAMSUNG SWA SM 24 = length marking =

Fibre type

Single mode: Max. 0.35/0.25dB/Km @1310/1550nm
Multimode 50/125 μ m: Max. 3.0/1.0dB/Km, 500/500Mhz.Km @850/1300nm
Multimode 62.5/125 μ m: Max. 3.5/1.0 dB/Km, 200/500Mhz.Km @850/1300nm

The information contained in this data sheet is subject to normal manufacturing tolerances. Specifications are subject to change without notice.

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