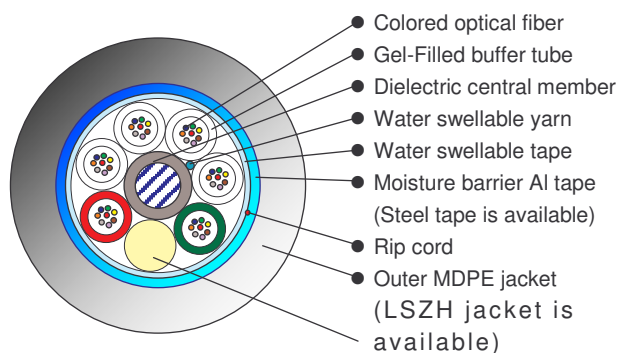


# Highway Agency Duct Cable – **SJNA** Single Jacket Non- Armoured (TR 2151C)

Drawing No: HA SJNA  
October 2003

## Description

SAMSUNG Single Jacket Non-armoured cables are lightweight, small diameter and designed for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature and is compatible with any telecommunication grade optical fibre.



## 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
- Drycore design for excellent water blocking performance and easier handling
- Small diameter and lightweight
- Jacket is easy to strip, rugged and durable
- Designed in accordance with applicable industry technical specifications, standards and references including IEC and EN

**Cable Drawing** \*Drawing is not to scale

Characteristics	Unit	Fibre Count		
		2 ~ 42	2 ~ 56	2 ~ 84
Tube type	-	B	C	D
Fibres per tube	-	6	8	12
Nominal outer diameter	mm	13.1	13.1	13.1
Nominal cable weight	kg/km	160	162	165
Maximum tensile load	N	4,300	4,300	4,300
Minimum bending radius				
- Short term [Loaded]: 12*OD	mm	157	157	157
- Long term [Installed]: 10*OD	mm	131	131	131
Crush resistance	N/10cm		2,000	
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/Grey/White/Red/Black/Yellow/Violet/Rose/Aqua
- Tube colors: 1<sup>st</sup> tube Red, Intermediate tubes Natural, Last tube Green
- Diameter represents a nominal value and may vary by ± 5%.
- Sheath marking legend: hot foil stamp (indented)

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

## Fibre type

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