

SKYWRAP®

Successfully installed worldwide since 1982, SkyWrap is a fibre optic cable helically applied on ground wires or phase conductors. A specially designed spinning machine is used to wrap the cable under controlled conditions. This system offers a complete communication link designed and engineered for high-voltage environments at low cost.

SkyWrap is the ideal solution when access to the overhead line is problematic due to environment or terrain. The installation equipment is lightweight, easy to handle and quick to install. When power outages are hard to coordinate, SkyWrap can be installed on ground wire while the phase conductors remain live or on phase conductors with single circuit outage.



FEATURES

- Suitable for use on distribution lines
- Gel-filled buffer tubes are S-Z stranded for easy mid-span access
- Design details listed below for span lengths up to 457 metres and fibre counts up to 144
- Requires the use of formed wire dead ends

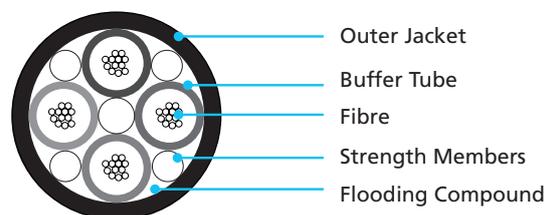
TEMPERATURE

Operating	- 40°C to + 85°C
Storage	- 40°C to + 50°C
Installation	- 20°C to + 50°C

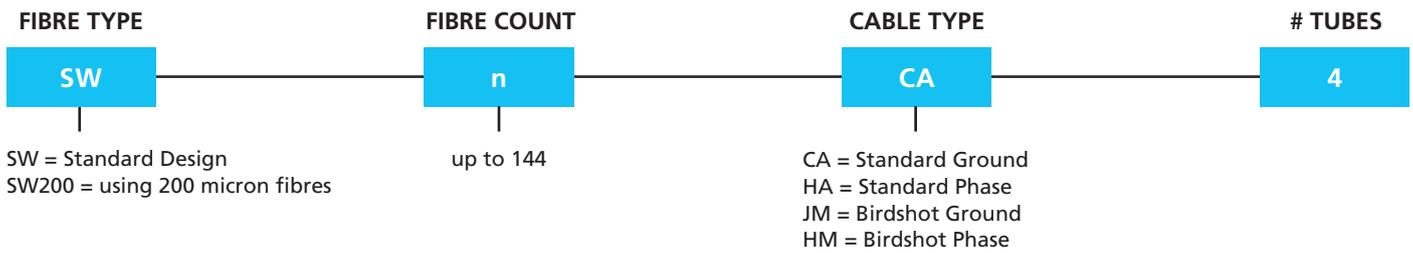
BENEFITS

- Quick, cost effective installation
- Utilise existing power line infrastructure
- Use where access is limited (e.g. mountains and river crossings)
- Use for both ground wires and phase conductors
- Live line installations on ground wire or single circuit outage on phase
- Complete lifetime turn-key solutions
- Over 30 years installation experience

CABLE COMPONENTS



PART NUMBER



SKYWRAP ORDERING INFORMATION

ITEM NUMBER	FIBRE COUNT	CABLE O.D.	WEIGHT	LENGTH PER REEL	CASSETTE LENGTH
		mm	kg/km	m	m
STANDARD GROUND WIRE					
SW-nCA4	04 - 24	6.4	36	2,440	4,880
SW-nCA4	26 - 48	6.6	39	2,295	4,590
SW-nCA4	50 - 96	8.0	59	1,562	3,124
BIRDSHOT RESISTANT GROUND WIRE					
SW-nJM4	04 - 24	7.3	46	1,826	3,652
SW-nJM4	26 - 48	7.5	50	1,730	3,460
SW-nJM4	50 - 96	8.9	71	1,228	2,456
SW200-nJM4	100-144	8.7	55	1,285	2,570
STANDARD PHASE CONDUCTOR					
SW-nHA4	04 - 24	7.3	55	1,914	3,828
SW-nHA4	26 - 48	7.5	59	1,813	3,626
SW-nHA4	50 - 96	8.9	82	1,288	2,576
BIRDSHOT RESISTANT PHASE CONDUCTOR					
SW-nHM4	04 - 24	8.0	61	1,594	3,188
SW-nHM4	26 - 48	8.2	65	1,517	3,034
SW-nHM4	50 - 96	9.6	89	1,107	2,214
SW200-nHM4	100-144	9.4	81	1,154	2,308

Note: Diameter and weight subject to change without notice

INSTALLATION EQUIPMENT INFORMATION

PARAMETER	VALUE
Typical Weight (includes cable and balance weight)	250kg
Min-Max Radius of rotation	0.87-1.45m
Wrapping Speed	5km per hour

INSTALLATION HARDWARE

A full range of hardware and accessories are available as part of the SkyWrap solution. Many different options are available to suit individual structure types and environmental conditions. Please contact AFL for more information.