

Aerial Fibre Optic Cable

metall free

HELUCOM®

ADSS L



Cable structure

Core type: Loose tube
 GRP support element
 Strain relief elements: Aramide
 Inner sheath material: PE
 Outer sheath material: PE
 Outer sheath colour: Black

Temperature range

Laying, min.: -10°C
 Laying, max.: +60°C
 Operating, min.: -40°C
 Operating, max.: +70°C

Other data

Sag at 25°C ADSS 6L: 1,0m
 Sag at 25°C ADSS 9L: 1,6m
 Sag at 25°C ADSS 16L: 3,6m
 Halogen-free acc. to 60754-2
 Longitudinally water-tight acc. to IEC 60794-1-2-F5
 Cable, laterally water-tight
 UV-resistant

Designation	Number of fibres	Fibre type	Number of fibres per core	Span width m	Max. tensile force kN	Additional load daN / m	Min. stat. bending radius mm	Outer Ø app. mm	Weight kg / km	Part no.
ADSS 6L	12	Single-mode E9/125	6	80	3	0,073	230	11,5	100	804733
ADSS 6L	24	Single-mode E9/125	6	80	3	0,073	230	11,5	100	805160
ADSS 6L	48	Single-mode E9/125	12	80	3	0,073	252	12,6	120	804735
ADSS 6L	144	Single-mode E9/125	12	80	7	0,073	348	17,4	230	804736
ADSS 9L	12	Single-mode E9/125	6	150	4	0,073	230	11,5	100	804737
ADSS 9L	24	Single-mode E9/125	6	150	4	0,073	230	11,5	100	805161
ADSS 9L	48	Single-mode E9/125	12	150	4	0,073	252	12,6	120	804739
ADSS 9L	144	Single-mode E9/125	12	150	10	0,073	354	17,7	240	804740
ADSS 16L	12	Single-mode E9/125	6	350	11	0,073	250	12,5	120	804741
ADSS 16L	24	Single-mode E9/125	6	350	11	0,073	250	12,5	120	804742
ADSS 16L	48	Single-mode E9/125	12	350	9	0,073	264	13,2	135	804743
ADSS 16L	144	Single-mode E9/125	12	350	16	0,073	362	18,1	250	804744

Dimensions and specifications may be changed without prior notice.

Application

These HELUCOM® ADSS L cables designed as aerial cables for freely suspended installations on steel-bar-, wood-, concrete- or steel poles. The construction is waterproof in longitudinal direction thanks to the use of jelly-filled bundle cores and swelling tape. The outer jacket is UV-resistant and at the same time provides protection against light and normal environmental influences, such as sun insolation and wind. Installations on high voltage poles are possible up to a field-strength of 4 kV. There are constructions for span width of 80m, 150m or 350m under conditions according NESC® Light available. Corresponding accessories like suspension and tension fittings are in chapter 5.