



## Cable structure

Core type: Buffered-fibre  
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: -25°C  
Operating, max: +70°C

## Other data

Sag at 25°C ADSS 9: 2,0 m  
Sag at 25°C ADSS 16: 4,5 m  
Sag at 25°C ADSS 35: 9,5 m  
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 ca. mm	Weight kg/km	Part no.
ADSS 9	12	Single-mode E9/125	4	150	9	0,5	410,0	13,6	135,0	<b>82390</b>
ADSS 9	24	Single-mode E9/125	4	150	9	0,5	410,0	13,6	137,0	<b>82391</b>
ADSS 9	36	Single-mode E9/125	6	150	9	0,5	470,0	15,6	177,0	<b>82392</b>
ADSS 9	48	Single-mode E9/125	8	150	9	0,5	470,0	15,6	178,0	<b>82393</b>
ADSS 9	60	Single-mode E9/125	12	150	9	0,5	450,0	15,0	161,0	<b>82394</b>
ADSS 9	144	Single-mode E9/125	12	150	9	0,5	630,0	20,8	316,0	<b>82395</b>
ADSS 16	12	Single-mode E9/125	4	350	16	0,3	430,0	14,4	162,0	<b>82396</b>
ADSS 16	24	Single-mode E9/125	4	350	16	0,3	430,0	14,4	165,0	<b>82397</b>
ADSS 16	36	Single-mode E9/125	6	350	16	0,3	500,0	16,4	200,0	<b>82398</b>
ADSS 16	48	Single-mode E9/125	8	350	16	0,3	500,0	16,4	201,0	<b>82399</b>
ADSS 16	60	Single-mode E9/125	12	350	16	0,3	480,0	15,8	184,0	<b>82400</b>
ADSS 16	144	Single-mode E9/125	12	350	16	0,3	650,0	21,6	333,0	<b>82401</b>
ADSS 35	12	Single-mode E9/125	4	700	35	0,35	520,0	17,2	198,0	<b>82402</b>
ADSS 35	24	Single-mode E9/125	4	700	35	0,35	520,0	17,2	200,0	<b>82403</b>
ADSS 35	36	Single-mode E9/125	6	700	35	0,35	580,0	19,2	240,0	<b>82404</b>
ADSS 35	48	Single-mode E9/125	8	700	35	0,35	580,0	19,2	241,0	<b>82405</b>
ADSS 35	60	Single-mode E9/125	12	700	35	0,35	560,0	18,6	227,0	<b>82406</b>
ADSS 35	144	Single-mode E9/125	12	700	35	0,35	730,0	24,4	381,0	<b>82407</b>

## Application

These HELUCOM® outdoor cables designed as aerial cables for freely suspended installations on posts and masts. 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 environmental influences, such as snow, ice, sun insolation and wind.