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Special Fiber Optic Cables

Item Code: STSFC-OPGW

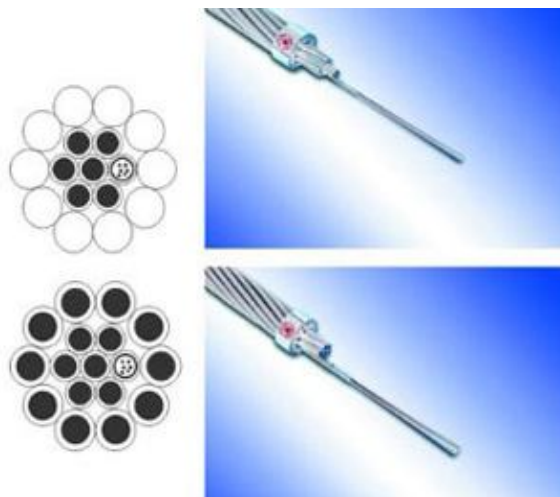
OPGW Cable



Features

- Big diameter of cable, numerous optical fibers
- Large tensile resistance, large capacity of short circuit current, meet the best balance between mechanical properties and electrical properties.
- Optical unit can be 1, maximum 3.
- Best stranding technology, obtain second fiber rest length.
- Stranding layer can be designed as 2 or 3 layers, single wire can be aluminium clad steel wire or the combination of aluminium alloy wire and aluminium.

Structure



Technical Specifications

Type	Structure (count×diameter/electric conductivity)				Calculating sectional area (mm ²)			Dia- meter mm	Weig- ht per km Kg/km	Rated tensile strength KN	DC Resis- tance Ω/km	Short circuit current capaci- ty KA2S	Calcula- ting Elastic modulus Gpa	Coefficient of linear expansion ×10-8/°C	Pull wei- ght ratio km
	Center	Inner layer	Steel tube optical unit	Outer layer	AA	AS	Su m								
OPGW-2S 1/24B1(0/103-62.5)	1×2.5/27AS	5×2.4/27A S	1×2.4/24B1 *	10×3.1/27A S	0.0	103.0	103	13.50	640	105.7	0.63	62.5	140	13.4	16.9
OPGW-2S 1/24B1(0/103-75.9)	1×2.5/20AS	5×2.4/20A S		10×3.1/40A S	0.0	103.0	103	13.50	561	83.8	0.49	75.9	123	14.6	15.3
OPGW-2S 1/24B1(75/28-87.4)	1×2.5/20AS	5×2.4/20A S		10×3.1/AA	75.5	27.5	103	13.50	412	57.3	0.39	87.4	91	18.2	14.2
OPGW-2S 1/24B1(0/89-46.4)	1×2.6/27AS	5×2.5/27A S	1×2.5/24B1	12×2.5/27A S	0.0	88.8	89	12.60	554	91.1	0.73	46.4	140	13.4	16.8
OPGW-2S 1/24B1(0/89-50.3)	1×2.6/30AS	5×2.5/30A S		12×2.5/30A S	0.0	88.8	89	12.60	526	74.2	0.66	50.3	132	13.8	14.4
OPGW-2S 1/24B1(59/30-62.9)	1×2.6/20AS	5×2.5/20A S		12×2.5/AA	58.9	29.9	89	12.60	381	55.4	0.47	62.9	98	17.4	14.8
OPGW-2S 1/24B1(0/98-60.9)	1×2.6/30AS	5×2.5/30A S	1×2.5/24B1	11×2.8/30A S	0.0	97.6	98	13.20	577	81.6	0.60	60.9	132	13.8	14.4

Type	Structure (count×diameter/electric conductivity)				Calculating sectional area (mm ²)			Dia- meter mm	Weig- ht per km Kg/km	Rated tensile strength KN	DC Resis- tance Ω/km	Short circuit current capaci- ty KA2S	Calcula- ting Elastic modulus Gpa	Coefficient of linear expansion ×10-8/°C	Pull wei- ght ratio km
	Center	Inner layer	Steel tube optical unit	Outer layer	AA	AS	Su m								
OPGW-2S 1/24B1(68/30-77.1)	1×2.6/20AS	5×2.5/20AS		11×2.8/AA	67.7	29.9	98	13.20	406	58.0	0.42	77.1	95	17.8	14.6
OPGW-2S 1/24B1(0/110-71.7)	1×2.6/27AS	5×2.5/27AS	1×2.5/24B1	10×3.2/27AS	0.0	110.3	110	14.00	683	113.1	0.59	71.7	140	13.4	16.9
OPGW-2S 1/24B1(0/110-77.7)	1×2.6/30AS	5×2.5/30AS		10×3.2/30AS	0.0	110.3	110	14.00	650	92.2	0.53	77.7	132	13.8	14.5
OPGW-2S 1/24B1(0/110-86.9)	1×2.6/20AS	5×2.5/20AS		10×3.2/40AS	0.0	110.3	110	14.00	600	90.0	0.46	86.9	123	14.6	15.3
OPGW-2S	1×2.6/20AS	5×2.5/20AS		10×3.2/AA	80.4	29.9	110	14.00	441	61.7	0.36	100.0	91	18.2	14.3

1/24B1(80/30-100.0)																
OPGW-2S 1/28B1(0/112-80.6)	1×2.75/30AS	5×2.7/30AS		11×3.0/30AS	0.0	112.3	112	14.15	661	93.9	0.52	80.6	132	13.8	14.5	
OPGW-2S 1/28B1(0/112-88.7)	1×2.75/20AS	5×2.7/20AS	1×2.7/28B1	11×3.0/40AS	0.0	112.3	112	14.15	618	94.2	0.46	88.7	125	14.5	15.5	
OPGW-2S 1/28B1(78/35-102.1)	1×2.75/20AS	5×2.7/20AS		11×3.0/AA	77.8	34.6	112	14.15	465	66.9	0.36	102.1	95	17.7	14.7	
OPGW-2S 1/28B1(0/103-68.4)	1×2.8/30AS	5×2.7/30AS		12×2.7/30AS	0.0	103.5	103	13.60	611	86.5	0.56	68.4	132	13.8	14.5	
OPGW-2S 1/28B1(69/35-85.6)	1×2.8/20AS	5×2.7/20AS	1×2.7/28B1	12×2.7/AA	68.7	34.8	103	13.60	441	64.6	0.40	85.6	98	17.4	14.9	
OPGW-2S 1/28B1(0/131-110.0)	1×2.85/30AS	5×2.7/30AS		10×3.5/30AS	0.0	131.2	131	15.25	769	109.7	0.45	110.0	132	13.8	14.6	
OPGW-2S 1/28B1(0/131-123.2)	1×2.85/20AS	5×2.7/20AS	1×2.7/28B1	10×3.5/40AS	0.0	131.2	131	15.25	709	106.7	0.39	123.2	123	14.6	15.4	
OPGW-2S 1/28B1(96/35-141.8)	1×2.85/20AS	5×2.7/20AS		10×3.5/AA	96.2	35.0	131	15.25	519	72.9	0.30	141.8	91	18.2	14.4	
OPGW-2S 1/28B1(0/120-92.3)	1×2.85/30AS	5×2.8/30AS		11×3.1/30AS	0.0	120.2	120	14.65	706	100.5	0.49	92.3	132	13.8	14.5	
OPGW-2S 1/28B1(0/120-114.1)	1×2.85/40AS	5×2.8/40AS	1×2.7/28B1	11×3.1/40AS	0.0	120.2	120	14.65	587	77.6	0.36	114.1	109	15.5	13.5	
OPGW-2S 1/28B1(83/37-116.8)	1×2.85/20AS	5×2.8/20AS		11×3.1/AA	23.0	37.2	120	14.65	497	71.8	0.34	116.8	95	17.7	14.8	
OPGW-2S 1/28B1(0/126-102.0)	1×3.0/30AS	5×2.8/30AS		11×3.2/30AS	0.0	126.3	126	15.00	741	105.6	0.46	102.0	132	13.8	14.5	
OPGW-2S 1/28B1(0/126-126.0)	1×3.0/40AS	5×2.8/40AS	1×2.7/28B1	11×3.2/40AS	0.0	126.3	126	15.00	616	81.6	0.35	126.0	109	15.5	13.5	
OPGW-2S 1/28B1(88/38-129.6)	1×3.0/20AS	5×2.8/20AS		11×3.2/AA	88.5	37.9	126	15.00	516	74.3	0.32	129.6	94	17.8	14.7	
OPGW-2S 1/36B1(0/128-105.0)	1×3.2/30AS	5×3.0/30AS		12×3.0/30AS	0.0	128.2	128	15.20	752	107.2	0.46	105.0	132	13.8	14.6	
OPGW-2S 1/36B1(0/128-129.8)	1×3.2/40AS	5×3.0/40AS	1×3.0/36B1	12×3.0/40AS	0.0	128.2	128	15.20	625	82.8	0.34	129.8	109	15.5	13.5	

Type	Structure (count×diameter/electric conductivity)				Calculating sectional area (mm ²)			Dia- meter mm	Weig- ht per km Kg/km	Rated tensile strength KN	DC Resis- tance Ω/km	Short circuit current capaci- ty KA2S	Calcula- ting Elastic modulus Gpa	Coefficient of linear expansion ×10-8/°C	Pu wei g rat io
	Center	Inner layer	Steel tube optical unit	Outer layer	AA	AS	Sum								
OPGW-2S 1/36B1(85/43-131.2)	1×3.2/20AS	5×3.0/20AS	12×3.0/AA	84.8	43.4	128	15.20	543	80.3	0.33	131.2	98	17.4	15.1	15.1
OPGW-2S 1/36B1(0/143-162.1)	1×3.2/40AS	5×3.0/40AS	1×3.0/36B1	11×3.4/40AS	0.0	143.3	143	16.00	696	92.5	0.31	162.1	109	15.5	13.8
OPGW-2S 1/36B1(100/43-166.4)	1×3.2/20AS	5×3.0/20AS		11×3.4/AA	99.9	43.4	143	16.00	585	84.7	0.28	166.4	94	17.8	14.4
OPGW-2S 1/36B1(0/136-118.8)	1×3.2/30AS	5×3.1/30AS	1×3.0/36B1	12×3.1/30AS	0.0	136.4	136	15.60	798	114.0	0.43	118.8	132	13.8	14.4
OPGW-2S 1/36B1(0/136-146.8)	1×3.2/40AS	5×3.1/40AS		12×3.1/40AS	0.0	136.4	136	15.60	664	88.1	0.32	146.8	109	15.5	13.8
OPGW-2S 1/48B1(0/145-134.9)	1×3.3/30AS	5×3.2/30AS	1×3.2/48B1*	12×3.2/30AS	0.0	145.3	145	16.10	849	121.4	0.40	134.9	132	13.8	14.4
OPGW-2S 1/48B1(0/145-166.6)	1×3.3/40AS	5×3.2/40AS		12×3.2/40AS	0.0	145.3	145	16.10	706	93.8	0.30	166.6	109	15.5	13.8