

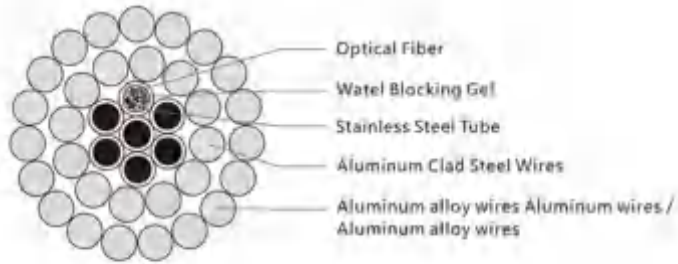
### Application

OPPC (Optical Phase Conductor) is an optimal solution to provide redundancy in harsh conditions, such as long cable spans, crossings of cable spans, power lines with previously installed OPGW and ADSS and others. OPPC cable does not increase the load on support towers. It can be used as a backup or independent communication channel.

### Standard

IEEE 1138, IEC60794

### Construction



Conductor: aluminum wires, aluminum alloy wires and aluminum-clad steel wires concentrically stranded around a central stainless steel tube with optical fiber inside.

### Construction Parameters

Model	Nominal Cross-Sectional Area(Aluminum / Steel)	Unit Num / Diameter		Cross Section (mm <sup>2</sup> )			Outer Diameter	DCR≤	RTS	Unit Weight
	mm <sup>2</sup>	Aluminum	Steel	Aluminum	Steel	Total	(mm)	(Ω/Km)	(kN)	(kg/km)
OPPC-24B1-95/20	95/20	9/3.5	1/2.4LB20; 5/2.4LB27;	96.09	17.64	113.73	14.2	0.2936	38.68	418.6
OPPC-24B1-95/55	95/55	13/3.05	1/3.5LB20; 5/3.4LB20;	108.73	41.26	150.00	16.4	0.2541	80.2	652.2
OPPC-24B1-120/20	120/20	8/4.3	1/2.4LB20; 5/2.4LB20;	122.96	20.36	143.32	15.8	0.2301	51.2	515.8
OPPC-24B1-120/25	120/25	8/4.3	1/2.5LB20; 5/2.5LB20;	123.54	22.09	145.63	16.1	0.2287	53.90	532.0
OPPC-24B1-150/20	150/20	30/2.4	1/2.5LB27; 5/2.5LB27;	146.61	18.56	165.17	17.1	0.1942	47.31	566.8
OPPC-24B1-150/25	150/25	30/2.5	1/2.5LB23; 5/2.5LB23;	156.10	20.62	176.71	17.5	0.1824	54.63	609.5
OPPC-24B1-150/35	150/35	30/2.55	1/2.60LB14; 5/2.55LB14;	157.22	26.83	184.05	17.9	0.1803	69.25	660.9
OPPC-24B1-185/25	185/25	28/2.85	1/2.60LB23; 5/2.55LB23;	187.88	21.59	209.47	19.1	0.1519	60.40	704.2

OPPC-24B1-185/30	185/30	28/2.85	1/2.6LB20; 5/2.5LB20;	186.28	22.98	209.27	19.0	0.1530	67.14	714.1
OPPC-24B1-185/45	185/45	32/2.7	1/3.1LB20; 5/3.0LB20;	193.94	32.17	226.11	19.9	0.1463	82.62	812.4
OPPC-24B1-240/30	240/30	26/3.45	1/2.7LB20; 5/2.7LB20;	251.64	25.76	277.41	21.9	0.1136	81.33	918.3
OPPC-24B1-300/40	300/40	26/3.8	1/3.0LB20; 5/3.0LB20;	305.47	31.81	337.28	24.2	0.0935	98.07	1118.0
OPPC-24B1-400/35	400/35	54/3.0	1/3.1LB23; 5/3.0LB23;	394.57	30.02	424.59	27.1	0.0728	105.01	1350.6
OPPC-24B1-500/45	500/45	54/3.35	1/3.4LB23; 5/3.35LB23;	491.91	37.20	529.11	30.2	0.0584	130.62	1680.4