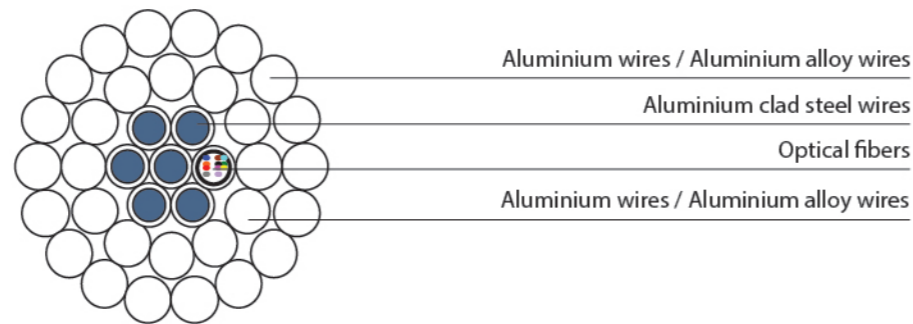


Typical Designs of OPPC

The Aluminium tube is surrounded by single or double layers of aluminium clad steel wires(ACS) or mix ACS wires and aluminium alloy wires.



Characteristic and Application

- Replacing one or several wires of the traditional conductor with stainless steel tube and strand the tube with AS/steel wires and AL/AA wires.
- Replacing one of the three phase conductors with OPPC, thus to form a transmission line which consists of one OPPC and two phase conductors.
- Mechanical and electrical performance can match the adjacent two phase conductors.
- OPPC can meet durative high temperature resistant which verified by Temperature Cycling test and Short Current test.
- OPPC is applied to middle & high voltage power lines without ground wires such as 10kV, 35kV, 66kV and so on.
- Telecommunications for middle & high voltage power lines in urban and rural areas; Providing optical cables for building distribution automation station.

Typical Parameters:

ZTT Standard	Fiber Count(Max)	Diameter (mm)	weight (kg/km)	RTS (kN)	Current Carrying Capacity(A)		
					40-70°C	40-80°C	40-90°C
OPPC-70/10	16	11.75	281	24.3	216	262	299
OPPC-110/25	16	15.4	494	45.7	299	364	418
OPPC-150/25	16	17.4	598	52.8	351	430	495
OPPC-185/25	16	19.0	695	58.5	395	486	561
OPPC-70/40	24	13.6	460	57.7	234	284	325
OPPC-95/20	24	14.0	402	37.0	264	321	368
OPPC-85/20	24	13.5	376	34.4	254	308	353
OPPC-120/25	24	15.9	523	49.0	308	376	432
OPPC-150/35	24	17.6	641	64.5	348	427	492
OPPC-210/35	24	20.4	812	74.3	424	524	605
OPPC-185/45	28	19.65	797	79.6	398	491	567
OPPC-230/40	36	21.8	949	87.7	455	563	652
OPPC-240/55	48	22.5	1037	102.5	467	580	672
OPPC-90/50	48	16.1	651	82.0	281	344	395

**The above designs are ZTT's typical options, and ZTT can provide any specific cable according to your requirement.*