

Line-up

Twisted pair type

Display of product name

- Without shielding: ORP-SL (1) SQ × (2) P (2464)
- With shielding: ORP-SL (1) SQ × (2) P (SB) (2464)

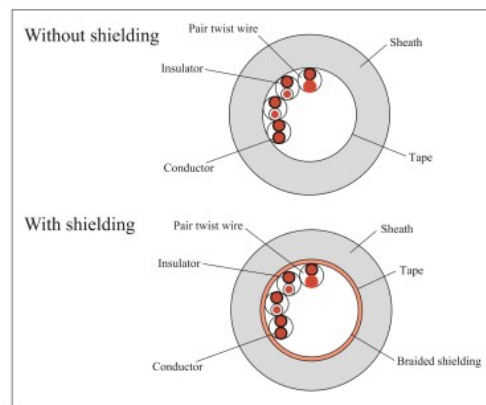
(1): Conductor sq. mm (mm²) (2): Number of pairs
(See the chart below.)

Construction

Conductor			Core wire diameter mm	(2) Number of pairs	Without shielding		With shielding		Permitted electric current* A (30°C)
(1) sq. mm	AWG size	Configuration			Outer diameter mm	Approximate weight kg/km	Outer diameter mm	Approximate weight kg/km	
0.1	28	49/0.05	0.74	1	3.3	13	3.8	21	2.4
				2	4.4	20	4.8	30	1.8
				3	4.7	23	5.1	34	1.6
				4	5.0	27	5.4	38	1.4
				5	5.3	32	5.7	43	1.3
				6	5.6	36	6.0	48	1.2
				7	5.6	39	6.0	50	1.2
				8	6.0	43	6.4	56	1.1
				10	6.6	52	7.0	66	1.0
				0.2	25	102/0.05	0.93	1	3.7
2	5.0	27	5.4					37	3.0
3	5.3	34	5.7					45	2.6
4	5.7	39	6.3					51	2.3
5	6.1	47	6.5					60	2.1
6	6.6	54	7.1					69	2.0
7	6.6	58	7.1					73	1.9
8	7.1	65	7.6					80	1.8
10	7.8	80	8.2					97	1.7
0.3	23	108/0.06	1.09					1	4.0
				2	5.5	36	5.9	44	4.0
				3	5.9	42	6.4	54	3.5
				4	6.3	51	6.7	64	3.2
				5	6.9	61	7.3	76	2.9
				6	7.4	72	7.8	87	2.7
				7	7.4	78	7.8	94	2.5
				8	8.0	88	8.4	105	2.4
				10	8.8	110	9.2	130	2.3

*The permitted electric current value is calculated with a straight installation in air. It is not a guaranteed value.

Cross-section view (example)



(Table 1) Wire-pair configuration table

Corresponding no.	Insulation body color	
	No.1 core wire	No.2 core wire
1	Blue	White
2	Yellow	Brown
3	Green	Black
4	Red	Gray
5	Purple	Orange
6	Blue	Brown
7	Yellow	Black
8	Green	Gray
9	Red	Orange
10	Purple	White

Layer-twisted

Display of product name

- ORP-SL (1) SQ × (2) C (2464)

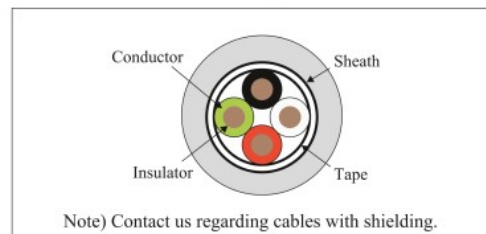
(1): Conductor sq. mm (mm²) (2): Number of core wires
(See the chart below.)

Construction

Conductor			Core wire diameter mm	(2) Number of core wires	Outer diameter mm	Approximate weight kg/km	Permitted electric current* A (30°C)
(1) sq. mm	AWG size	Configuration					
0.1	28	49/0.05	0.74	3	3.6	15	2.1
				4	3.8	17	1.8
				5	4.0	19	1.7
				6	4.2	22	1.6
				7	4.3	23	1.5
				8	4.4	25	1.4
0.2	25	102/0.05	0.93	3	4.0	20	3.3
				4	4.2	23	3.0
				5	4.5	27	2.8
				6	4.8	31	2.6
0.3	23	108/0.06	1.09	3	4.3	24	4.5
				4	4.6	29	4.0
				5	4.9	34	3.8
				6	5.3	39	3.5
				7	5.4	43	3.3
				8	5.6	48	3.2
10	6.1	56	2.9				

*The permitted electric current value is calculated with a straight installation in air. It is not a guaranteed value.

Cross-section view (example)



(Table 2) Core wire configuration table

Core wire no.	Insulator body color
1	Black
2	White
3	Red
4	Green
5	Yellow
6	Brown
7	Blue
8	Gray
9	Orange
10	Purple