

# Paired Individually Shielded OSP CL4Z/CL4P

ETL Listed for Guaranteed Performance  
Made in the USA

## PowerPipe™ - OSP / DB / SR

### Applications:

This document establishes the specifications for copper pairs (1-pair through 8-pairs) suitable for use in all Class 4 fault-managed power systems such as Pulse Power, Digital Electricity and other smart transfer systems. Features include Sunlight Resistance, Direct Burial, use in both Wet and Dry Locations and shield isolation around each pair. Suitable for use in plenum spaces.

### Construction Details:

Number of Conductors: See Table on Page 2  
Conductor: Stranded Tinned Copper  
Insulation Material: Fluoropolymer  
Nominal Insulation Thickness: See Table on Page 2  
Color Code:

Pair #1 - Black with Red	Pair #2 - Black with White
Pair #3 - Black with Green	Pair #4 - Black with Blue
Pair #5 - Black with Yellow	Pair #6 - Black with Brown
Pair #7 - Black with Orange	Pair #8 - Red with White
Pair #9 - Red with Green	Pair #10 - Red with Blue
Pair #11 - Red with Yellow	Pair #12 - Red with Brown

Pair Screen Shield, each Pair: Aluminum/polyester shield with aluminum out, 100% coverage

Common Drain Wire: 20AWG Stranded Tinned Copper

Rip Cord: Applied under outer jacket

Jacket Material: Fluoropolymer

Jacket Color: Black

Nominal Jacket Thickness: See Table on Page 2

Nominal Diameter: See Table on Page 2

Surface Print: ACTIVATE™ by REMEE PowerPipe™ YYAWG  
CL4Z/CL4P-FMP 3.75A (\*\*) XXP SHIELDED 150C WET DIR BUR  
SUN RES C(ETL)US ROHS MADE IN USA MM/YY (LOT #) SEQ  
FT

Where: \*\* "-FMP 3.75A" shown on 18AWG products only, no "-FMP Amperage" shown with 16AWG, 14AWG or 12AWG products; XX indicates # of pairs; YY indicates size

### Standards:

- National Electric Code - Articles 722 and 726
- UL 1400-2
- NFPA-262 Smoke and Flame

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Revision: 37

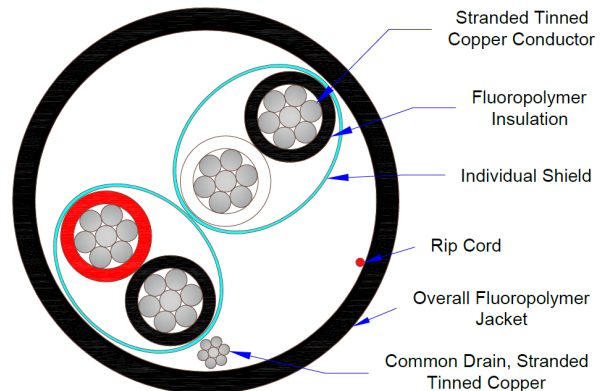
All warranty information can be viewed at [WWW.REMEE.COM](http://WWW.REMEE.COM).

This product is RoHS compliant to directive 2002/95/EC .

1751 State RTE. 17A STE #1 Florida, NY 10921  
Customer Service: 800-431-3864

Fax: 845-651-4160

Website: [www.remee.com](http://www.remee.com)



Representative Drawing

### Technical Details:

Temperature Rating

Operation: -40°C to +150°C

Nominal Weight:

See Table on Page 2

### Electricals:

Maximum Operating Voltage: 450 Volts, rms.

Nominal C - C Capacitance: 18AWG: 25.2 pF/ft. @ 1 kHz

16AWG: 28.3 pF/ft. @ 1 kHz

14AWG: 31.2 pF/ft. @ 1 kHz

12AWG: 30.9 pF/ft. @ 1 kHz

Nominal C - S Capacitance: 18AWG: 47.9 pF/ft. @ 1 kHz

16AWG: 53.8 pF/ft. @ 1 kHz

14AWG: 59.3 pF/ft. @ 1 kHz

12AWG: 49.7 pF/ft. @ 1 kHz

Upper Limit C - C Capacitance, All : 40.0 pF/ft. @ 1 kHz

Nominal D.C.R.: 18AWG: 6.62Ω / 1,000 feet @ 20°C

16AWG: 4.15Ω / 1,000 feet @ 20°C

14AWG: 2.56Ω / 1,000 feet @ 20°C

12AWG: 1.80Ω / 1,000 feet @ 20°C

Nominal Inductance: 134 nH/ft.

Max. Current/Conductor: See Table on Page 2

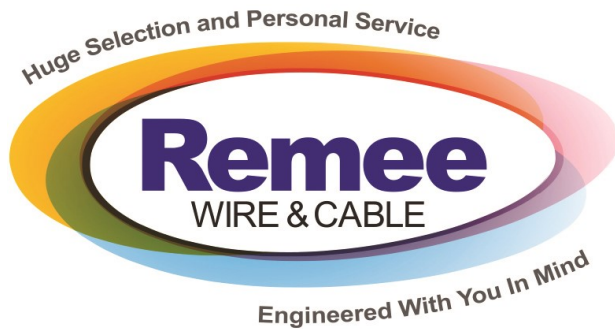
### Codes & Listings:

- CL4Z/CL4P



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Part Number	Construction	Number of Conductors	Insulation Wall (in.)	Jacket Wall (in.)	Max. Diameter (in.)	Weight (lb/Mft)	Max. Current per Conductor (Amps) (1) (2)
DE1P18ISOSPB2B	1PR 18 AWG	2	0.015	0.020	0.199	30	14
DE2P18ISOSPB2B	2PR 18 AWG	4	0.015	0.020	0.230	48	11
DE3P18ISOSPB2B	3PR 18 AWG	6	0.015	0.020	0.360	74	11
DE4P18ISOSPB2B	4PR 18 AWG	8	0.015	0.020	0.390	93	10
DE6P18ISOSPB2B	6PR 18 AWG	12	0.015	0.020	0.490	131	7
DE8P18ISOSPB2B	8PR 18 AWG	16	0.015	0.020	0.560	167	7
DE1P16ISOSPB2B	1PR 16 AWG	2	0.015	0.020	0.223	37	18
DE2P16ISOSPB2B	2PR 16 AWG	4	0.015	0.020	0.262	62	14
DE3P16ISOSPB2B	3PR 16 AWG	6	0.015	0.020	0.430	96	14
DE4P16ISOSPB2B	4PR 16 AWG	8	0.015	0.020	0.460	122	13
DE6P16ISOSPB2B	6PR 16 AWG	12	0.015	0.020	0.570	173	9
DE8P16ISOSPB2B	8PR 16 AWG	16	0.015	0.020	0.678	223	9
DE1P14ISOSPB2B	1PR 14 AWG	2	0.015	0.020	0.249	52	34
DE2P14ISOSPB2B	2PR 14 AWG	4	0.015	0.020	0.294	90	27
DE3P14ISOSPB2B	3PR 14 AWG	6	0.015	0.020	0.470	138	27
DE4P14ISOSPB2B	4PR 14 AWG	8	0.015	0.020	0.554	177	24
DE6P14ISOSPB2B	6PR 14 AWG	12	0.015	0.020	0.655	256	17
DE8P14ISOSPB2B	8PR 14 AWG	16	0.015	0.032	0.777	332	17
DE1P12ISOSPB2B	1PR 12 AWG	2	0.018	0.020	0.299	71	43
DE2P12ISOSPB2B	2PR 12 AWG	4	0.018	0.020	0.354	128	34
DE3P12ISOSPB2B	3PR 12 AWG	6	0.018	0.032	0.637	195	34
DE4P12ISOSPB2B	4PR 12 AWG	8	0.018	0.032	0.704	252	30
DE5P12ISOSPB2B	5PR 12 AWG	10	0.018	0.032	0.803	333	22
DE6P12ISOSPB2B	6PR 12 AWG	12	0.018	0.032	0.881	393	22
DE7P12ISOSPB2B	7PR 12 AWG	14	0.018	0.032	0.881	447	22
DE8P12ISOSPB2B	8PR 12 AWG	16	0.018	0.032	0.961	507	22

(1) Ampacity from NEC Table 310.16 at 90C for AWG 16 - 18 (2) Ampacity from NEC Table 310.18 at 150C for AWG 12 - 14



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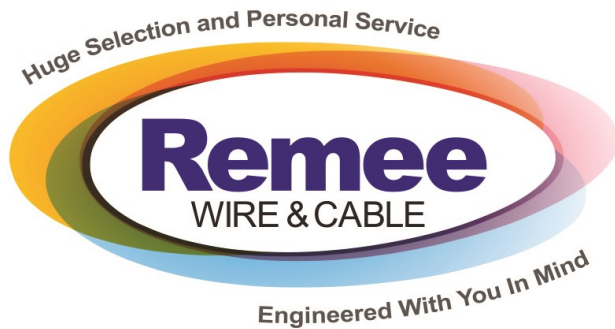


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## Specific Part Number Information for Length, Put-Up & Jacket Color:

Available Length Designations — **M** for 1000 feet, and **L** for 500 feet

Available Put-Up's — **1** for Reel

Available Jacket Color — **B** for Black

**These 3-place designators are placed at the end of the part number to describe the individual packaging and length.**

## Preparation for Shipment:

The cable shall be packaged to preclude the inducement of damage due to handling and transportation, and shall be in accordance with the best commercial practices available. Shipping containers shall be constructed as to eliminate any possible damage to the cables due to shipment.

**Note:** While Remee Products Corp. has made every reasonable effort to ensure the accuracy of the information in this document, Remee Products Corp. reserves the right to make any adjustments to the information contained herein at any time without notice. Remee Products Corp. expressly disclaims all implied warranties regarding the information contained herein, including but not limited to, any implied warranties of merchantability or fitness for particular purpose. The dimensions in this document are for reference purposes only and are subject to change without notice.

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

Signature: \_\_\_\_\_

Company: \_\_\_\_\_

Date: \_\_\_\_\_



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