



## Features

- Superior flame retardance and LSZH construction
- Wide temperature range -25°C to 90°C
- Thermoset LSZH Insulation, Thermoplastic LSZH jacket
- Voltage Rating 450/750V for 1.5 mm<sup>2</sup> and larger
- Voltage Rating 300/500V for 1 mm<sup>2</sup> and smaller
- Sunlight Resistance, oil and moisture resistant
- Ampacity follows BS 7671:2008 table 4E2A

## Performance Standards

- The insulation satisfies the requirements for BS 6853:1999
- The insulation satisfies performance requirements of BS7211:1998 and BS7211:2012 for EI5 insulation type per BS EN 50363-5 (2005)
- The insulation and jacket satisfy the performance requirements of IEC 60754-1 — Halogen Acid Gas content
- The insulation and jacket satisfies the performance requirements of IEC 60754-2 — Acidity and Conductivity
- Satisfies performance requirements of LUL S1085 A4:2015 for flammability, smoke emissions and toxic fumes
- Satisfies performance requirements of LUL 1-085 A3:2011 for flammability, smoke emission and toxic fumes
- Cable meets HCl < 0.5% per BS EN 50267-2-1 Halogen Acid gas
- Satisfies flame and smoke requirements of NFPA 130 & 502, passes UL1685 with FT4/IEEE 1202 flame method
- Passes IEC 60332-3-25 and IEC 60332-3-24 vertical flame test
- Jacket type LTS 4 per BS 7655 6.1
- Meets the flame propagation test EN 60332-3-24 2009
- Meets the smoke emission of IEC 61034-2
- Cable construction in accordance with BS 7211 2012

## Construction

- **Conductor:** Bare copper per IEC 60228, Class 2
- **Insulation:** Crosslinked low smoke halogen free polymer\*
- **Binder tape:** Helically applied polyester
- **Jacket:** Thermoplastic low smoke halogen free.

\*Rated 90°C for normal operation, 130° C for emergency overload conditions and 250°C for short circuit conditions

## Scope

Exane® PC Multi-Core is a tray cable that is designed for installations in transit systems, tunnels and premises infrastructure. The cable employs a rugged thermoset low smoke halogen free insulation and low smoke halogen free jacket. Exane PC Multi-Core may be installed in tray, duct, or conduit.

# Exane<sup>®</sup> PC Multi-Core Premises Cable

## Table 0.75 mm<sup>2</sup> Multi Conductor, 300/500V

RSCC Part Number	Number of Conductors	Conductor Stranding	Conductor Size (mm)	Insulation Wall (mm)	Jacket Wall (mm)	Overall Size (mm)	Max DCR (Ohms/km) @ 20°C	Weight (kg/km)	Bend Radius (Installed/During Installation) mm	Color Code
EP04075-000	4	7/369 mm	1.11	0.6	1.2	8.2	18.56	66	32/64	Brown/Black/ Grey/Gn-Yw

## Table 1 mm<sup>2</sup> Multi Conductor, 300/500V

RSCC Part Number	Number of Conductors	Conductor Stranding	Conductor Size (mm)	Insulation Wall (mm)	Jacket Wall (mm)	Overall Size (mm)	Max DCR (Ohms/km) @ 20°C	Weight (kg/km)	Bend Radius (Installed/During Installation) mm	Color Code
EP07001-000	7	7/426 mm	1.27	0.6	1.2	10.2	18.56	95	41/82	6 Black numbered and a Gn-Yw
EP13001-001	13	7/426 mm	1.27	0.6	1.6	14.65	18.56	315	117/176	13 Black numbered
EP25001-000	25	7/426 mm	1.27	0.6	1.6	18.51	18.56	538	220/300	24 Black numbered and a Gn-Yw

## Table 1.5 mm<sup>2</sup> Multi Conductor, 450/750V

RSCC Part Number	Number of Conductors	Conductor Stranding	Conductor Size (mm)	Insulation Wall (mm)	Jacket Wall (mm)	Overall Size (mm)	Max DCR (Ohms/km) @ 20°C	Weight (kg/km)	Bend Radius (Installed/During Installation) mm	Color Code
EP02015-000	2	7/522 mm	1.57	0.7	1.2	8.5	12.44	95	34/68	Brown/Blue
EP03015-000	3	7/522 mm	1.57	0.7	1.2	9.0	12.44	122	36/72	Brown/Blue/ Gn-Yw
EP04015-000	4	7/522 mm	1.57	0.7	1.2	9.8	12.44	147	39/78	Brown/Black/ Grey/Gn-Yw
EP05015-000	5	7/522 mm	1.57	0.7	1.2	10.7	12.44	177	43/86	Brown/Blue/ Black/Grey/ Gn-Yw
EP07015-000	7	7/522 mm	1.57	0.7	1.2	11.6	12.44	230	46/92	6 Black numbered and a Gn-Yw
EP10015-000	10	7/522 mm	1.57	0.7	1.6	15.4	12.44	349	123/184	9 Black numbered and a Gn-Yw
EP12015-000	12	7/522 mm	1.57	0.7	1.6	15.8	12.44	400	126/189	11 Black numbered and a Gn-Yw

## Table 2.5 mm<sup>2</sup> Multi Conductor, 450/750V

RSCC Part Number	Number of Conductors	Conductor Stranding	Conductor Size (mm)	Insulation Wall (mm)	Jacket Wall (mm)	Overall Size (mm)	Max DCR (Ohms/km) @ 20°C	Weight (kg/km)	Bend Radius (Installed/During Installation) mm	Color Code
EP02025-000	2	7/674 mm	1.95	0.8	1.2	9.8	7.71	128	39/78	Brown/Blue
EP03025-000	3	7/674 mm	1.95	0.8	1.2	10.4	7.71	167	42/84	Brown/Blue/ Gn-Yw
EP04025-000	4	7/674 mm	1.95	0.8	1.2	11.3	7.71	210	45/90	Brown/Black/ Grey/Gn-Yw
EP05025-000	5	7/674 mm	1.95	0.8	1.2	12.3	7.71	253	49/98	Brown/Blue/ Black/Grey/ Gn-Yw
EP07025-000	7	7/674 mm	1.95	0.8	1.6	14.2	7.71	360	57/114	6 Black numbered and a Gn-Yw
EP10025-000	10	7/674 mm	1.95	0.8	1.6	17.8	7.71	502	142/213	9 Black numbered and a Gn-Yw
EP12025-000	12	7/674 mm	1.95	0.8	1.6	18.4	7.71	595	147/220	11 Black numbered and a Gn-Yw

## Table 4.0 mm<sup>2</sup> Multi Conductor, 450/750V

RSCC Part Number	Number of Conductors	Conductor Stranding	Conductor Size (mm)	Insulation Wall (mm)	Jacket Wall (mm)	Overall Size (mm)	Max DCR (Ohms/km) @ 20°C	Weight (kg/km)	Bend Radius (Installed/During Installation) mm	Color Code
EP03004-000	3	7/853 mm	2.48	0.8	1.2	11.5	5.07	226	46/92	Brown/Blue/ Gn-Yw
EP04004-000	4	7/853 mm	2.48	0.8	1.2	12.6	5.07	286	50/100	Brown/Black/ Grey/Gn-Yw
EP05004-000	5	7/853 mm	2.48	0.8	1.2	13.8	5.07	356	55/110	Brown/Blue/ Black/Grey/ Gn-Yw

Note: additional sizes, configurations or color codes can be made to order.



Marmon Engineered Wire & Cable LLC  
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