CALIBRE®
CABLE DUCT SYSTEMS

QUICK REFERENCE GUIDE

SIMPLIFIED AND UNIFIED PERFORMANCE-BASED RANGE

The new CALIBRE® product range by Marley delivers a unified approach to cable ducting design, manufacture, and installation.

As a **fully featured PE and uPVC cable duct range, CALIBRE® CABLE DUCT Systems** is manufactured to the electrical purposed AS/NZS 61386 standard with product classification according to a performance-based mechanical duty rating.

FULLY FEATURED

- **Durability** range: Performance-based Mechanical Protection rating
- **Productivity** features: Saves time and money for improved trenching
- **Assurance** credential: Product based sustainability practices, supporting certifications (ISO), declarations (EPD) and licences for compliance

EASE OF SELECTION

CALIBRE TRENCH

TRENCH
Unified solutions for open cut installations

CALIBRE TRENCHLESS

TRENCHLESS
Unified solutions for HDD installations

		TRENCH	TRENCHLESS
DURABILITY	A / VHD / HD	✓	✓
	Very Heavy Duty	✓	✓
	Heavy Duty	✓	✓
	B / MD	✓	✓
	Medium Duty	✓	✓
	Service Temperature Range	✓	✓
PRODUCTIVITY	Service ID	✓	✓
	Metre Marked		✓
	Custom Length		✓
	Extensive PE Fittings		✓
	Extensive uPVC Bends	✓	
ASSURANCE	PE / uPVC 100% Recyclable	✓	✓
	Standards Compliance & Licence	✓	✓
	EPD Declaration	✓	✓

MARLEY by aliaxis

THE CALIBRE® RANGE

CALIBRE® TRENCH



SIZE (ID)	LENGTH (m)	DUTY	MATERIAL	ORANGE	GREEN	WHITE	RED	CRATE QUANTITY
20	6	Non Rated	uPVC		TC20GRDUCT	TC20WHDUCT	TC20RDDUCT	900
32	6	Non Rated	uPVC	700.32.6.O				230
40	6	Non Rated	uPVC	700.40.6.O				180
50	6	Non Rated	uPVC	700.50.6.O	TC50GRDUCT	TC50WHDUCT.RRJ	700.50.6.RD	149 150 105
65	6	Non Rated	uPVC	700.65.6.O				96
80	6	MD HD	uPVC	700.80MD.6.OR 700.80HD.6.OR				66
100	6	MD HD VHD	uPVC	700.100MD.6.OR 700.100HD.6.OR 700.100VHD.6.OR	700.100HD.6.GN		700.100MD.6.RD 700.100HD.6.RD	60
		Non Rated			TC110GRDUCT	TC110WHDUCT.RRJ	700.100.6.RD	
150	6	MD HD VHD	uPVC	700.150MD.6.OR 700.150HD.6.OR 700.150VHD.6.OR	700.150HD.6.GN			28
140 (OD)	12	HD	PE	600.140HD.12.OR				8
160 (OD)	12	VHD	PE	600.160VHD.12.OR				8

CALIBRE® TRENCHLESS



SIZE (OD)	DUTY	MATERIAL	COIL LENGTH 50m	COIL LENGTH 100m	COIL LENGTH 150m	COIL LENGTH 200m	COIL LENGTH 500m	COIL LENGTH 1000m
25	HD	HDPE				600.25HD.200.GN		
32	MD	HDPE				600.32MD.200.OR 600.32MD.200.GN 600.32MD.200.RD	600.32MD.500.OR 600.32MD.500.GN	600.32MD.1000.OR 600.32MD.1000.GN
32	HD	HDPE				600.32HD.200.OR 600.32HD.200.GN 600.32HD.200.RD	600.32HD.500.OR 600.32HD.500.GN	600.32HD.1000.OR 600.32HD.1000.GN
40	MD	HDPE				600.40MD.200.OR		
40	HD	HDPE				600.40HD.200.OR 600.40HD.200.GN		
50	HD	HDPE		600.50HD.100.OR 600.50HD.100.GN 600.50HD.100.RD				
63	HD	HDPE	600.63HD.50.GN	600.63HD.100.OR 600.63HD.100.GN 600.63HD.100.RD	600.63HD.150.OR 600.63HD.150.GN			
90	HD	HDPE		600.90HD.100.OR				
110	HD	HDPE	600.110HD.50.OR 600.110HD.50.GN	600.110HD.100.OR 600.110HD.100.GN 600.110HD.100.RD				
125	HD	HDPE		600.125HD.100.OR				
140	HD	HDPE	600.140HD.50.OR	600.140HD.100.OR				
160	VHD	HDPE	600.160VHD.50.OR	600.160VHD.100.OR				

NOTES

1. For further details contact 0800 MARLEY (0800 627 539) for POA and availability.
2. MOQ and lead times apply to customer specific requests or non-stocked items (e.g. size, duty, length and colour).

TRENCH - UNDERGROUND INSTALLATION

WHY HEAVY DUTY CABLE DUCTING IS BEST PRACTICE

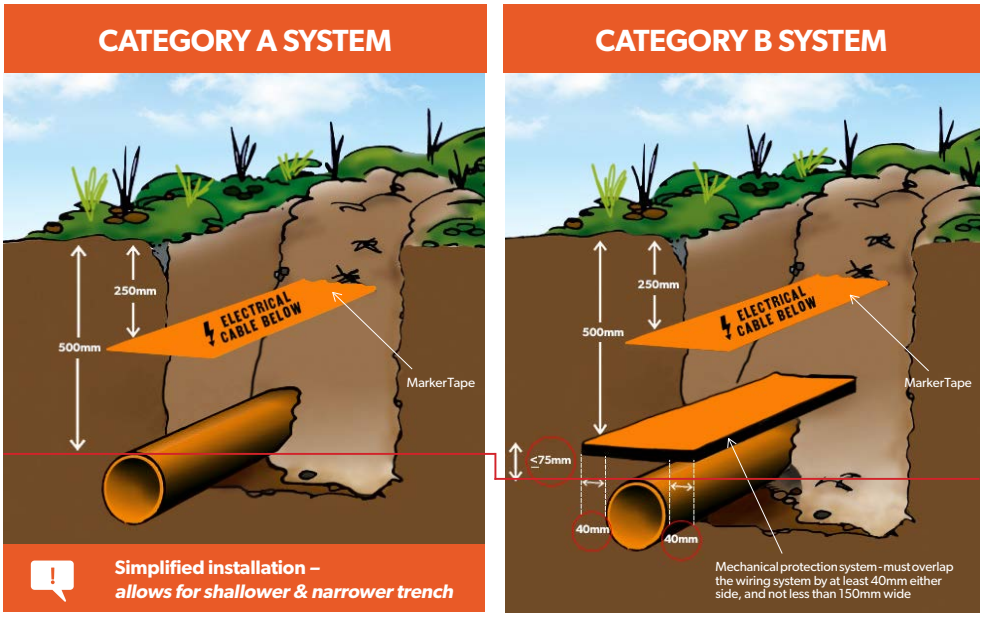
For trench underground wiring systems where there is no surface covering, significant labour, time and cost savings can be made when installing to CATEGORY A Underground Wiring system compared to CATEGORY B. **Critically, the longer the trench the greater the savings.**

CATEGORY A SYSTEM

CALIBRE® Trench cable duct (Heavy Duty / Very Heavy Duty) where NO ADDITIONAL mechanical protection is required

CATEGORY B SYSTEM

CALIBRE® Trench cable duct (Medium Duty) where ADDITIONAL mechanical protection is required



TRENCHLESS - STANDARDS & SPECIFICATION

The following table illustrates the interrelationship between the wiring rules, manufacturing standards, jointing specifications and towing loads.

Heavy Duty Range	AS/NZS 3000	AS/NZ 61386			JOINTING SPECIFICATION (Electrofusion/Compression Fittings)		Towing Load
Size (OD)	Underground Wiring Rules	Duty	SN	Dimensions (OD, T, OVALITY)	SDR	Material Density	Force (KN) (@ 20˚C)
25	Category A	Heavy Duty (HD)	N/A	AS/NZS 4130 (TABLE 2) (Fitting/Jointing Compatibility)	9	High Density (HDPE)	1.815*
32					11		2.489*
40							3.888
50					13.6		5.008
63							6.461
90							13.187
110			>10		17		19.699
125							25.437
140							31.908
160		Very Heavy Duty (VHD)	>25				41.676

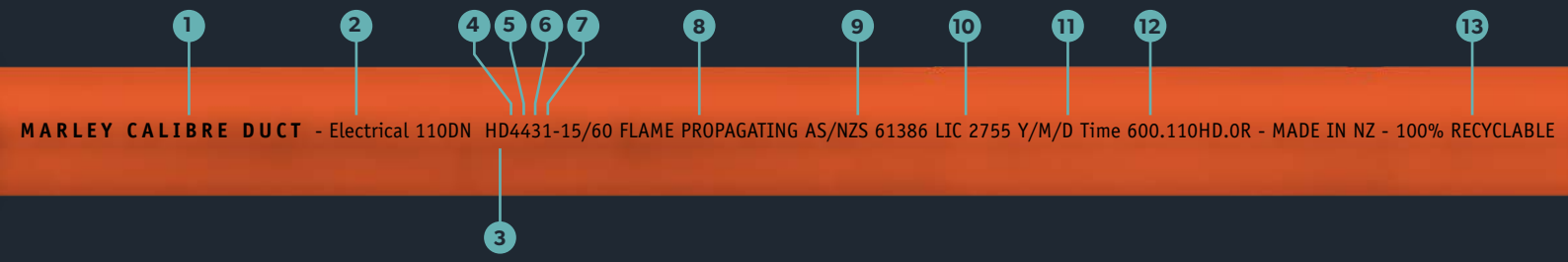
Medium Duty Range	AS/NZS 3000	AS/NZ 61386			JOINTING SPECIFICATION (Electrofusion/Compression Fittings)		Towing Load
Size (OD)	Underground Wiring Rules	DUTY	SN	DIMENSIONS (OD, T, OVALITY)	SDR	Material Density	Towing Load
32	Category B	Medium Duty (MD)	N/A	AS/NZS 4130 (TABLE 2) (Fitting/Jointing Compatibility)	13.6	High Density (HDPE)	2.051
40							3.205

NOTES

1. For AS/NZS 3000 Category A underground wiring systems, Heavy or Very Heavy Duty cable ducting is best suited for trenchless applications given the inability to install additional mechanical protection.
2. For AS/NZS 3000 Category B underground wiring systems, medium duty cable ducting is best suited for sub ducting applications
3. Please refer to specific Electrical Distribution Network policies and procedures which may differ to the above specification
4. *It is recommended that the smaller diameters be pulled by hand.

PRODUCT AUTHENTICITY

Not all brands of Cable Duct in the market perform to the same level. For proof of intended performance, check the mandatory print requirements that are marked on the Cable Duct.



1. Manufacturer and/or brand name identification
2. Designed specifically to protect electrical wiring
3. Classification Rating
   (VHD = Very Heavy Duty)
   (HD = Heavy Duty)
   (MD = Medium Duty)
4. Compression Duty / Ring Stiffness Rating
   (Rating 5 = Very Heavy Duty)
   (Rating 4 = Heavy Duty)
   (Rating 3 = Medium Duty)
5. Impact Duty Rating
   (Rating 5 = Very Heavy Duty)
   (Rating 4 = Heavy Duty)
   (Rating 3 =Medium Duty)
6. Minimum Service Temperature rating (Rating 3 = -15˚c)
7. Maximum Service Temperature rating (Rating 1 = 60˚c)
8. Resistance to burning (PE duct only = flame propagating)
9. Cable Duct manufacturing standard
10. 3rd party Licence Verification for the specific manufacturing site
11. Exact date and time of manufacture
12. Marley item code for easy tracking
    uPVC = 700 Series
    PE = 600 Series
13. Recyclable PE material

PROOF OF ASSURANCE

Certifications and standards to demonstrate compliance and ensure quality is consistency achieved each and every time.

BEST ENVIRONMENTAL PRACTICE

AS/NZS 5395: 2024
LICENSE No 2969

Bureau Veritas provides independent third-party verification of compliance in the manufacture of CALIBRE.
Licences are issued by manufacturing location.
Manurewa: BV Lic. 2755
Horotiu: BV Lic. 2970
Tinwald: BV Lic 2806

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