

**ARMA**  
CORRUGATED CONDUIT SYSTEMS

**FEEL THE FLEX**

Maximising agility and durability with PliaTech™



# ARMA<sup>®</sup>

CORRUGATED CONDUIT SYSTEMS

with PliaTech™ 

**ARMA<sup>®</sup> corrugated conduit is the optimal mix of flexibility (ease of bending) and durability.**

When navigating confined and complex conduit installations, it will result in an easier and faster installation that will last the test of time.

The new ARMA<sup>®</sup> corrugated conduit range is a welcome addition to ARMA's fully featured rigid conduit range and conforms to best practice manufacturing standard AS/NZS 61386.22.

## MORE FLEXIBLE

NZ made, ARMA<sup>®</sup> corrugated conduit introduces PliaTech™ innovation. It is the combination of a unique resin formulation and product design profile that delivers a performance like no other.

Comparative lab tests show the ARMA<sup>®</sup> 25mm (MD) brand requires 3 times less effort to flex than the EASI brand equivalent, while ARMA<sup>®</sup> 25mm (HD) brand requires 2 times less effort to flex than the SOLA brand equivalent.

MD

HD

**3x**

less effort

**2x**

less effort



**ARMA** HD  
CORRUGATED CONDUIT SYSTEMS



**ARMA** MD  
CORRUGATED CONDUIT SYSTEMS

 **MARLEY**

by aliaxis

## SELECTION CRITERIA

When selecting corrugated conduit for complex routing, product features that deliver the benefits of performance and assurance are critical when achieving best practice installation.

The following can be used to identify how ARMA® corrugated conduit can achieve best practice installation.



First choice to achieve best practice installation - max protection, ease of install, made to high quality.



Ideal for solar and non solar applications.




All the features of ARMA® HD but with medium duty performance for indoor or outdoor applications.

### Performance

#### DURABILITY


 UV Resistance (T)	Yes <sup>1</sup>
<b>HD</b> Mechanical Protection	HD (4431) Best practice
<b>MD</b> Mechanical Protection	MD (3331)
 Service Temperature Range	-15 to 60°C

#### EASE OF INSTALL (CONFINED & COMPLEX ROUTING)


 Flexibility	PliaTech™ Yes
<ul style="list-style-type: none"> <li>› Super bendable</li> <li>› Light weight</li> </ul>	

### Assurance

#### COMPLIANCE

 Manufacturing standard	AS/NZS 61386 (superseding AS/NZS 2053)
› Print markings	Yes
› 3 <sup>rd</sup> party independent verification	BV LIC 2975

#### SUSTAINABLE PRACTICES

 Recyclable PVC material	Yes
› NZ made	Yes

<sup>1</sup> Exceeds minimum requirements of AS/NZS 61386

# PRODUCT SPECIFICATION



Size		
Diameter (mm)	20*, 25*, 32	20*, 25*, 32, 40, 50
Length (m)	25 (* = also available in 100m)	25 (* = also available in 100m)
Material		
Colour	Grey	Grey
Formulation	uPVC	uPVC
Temperature		
Service temperature range	-15°C to 60°C	-15°C to 60°C
Linear coefficient of thermal expansion	7 x 10 <sup>-5</sup> m/(mK)	7 x 10 <sup>-5</sup> m/(mK)
Fittings		
Marley colour match	Yes	Yes
Solvent Joint	Yes	Yes
Duty rating	Heavy Duty (4431)	Heavy Duty (4431)
Durability		
Conduit duty rating	Heavy Duty (4431)	Medium Duty (3331)
Compression resistance	HD - Rating 4	MD - Rating 3
Impact resistance	HD - Rating 4	MD - Rating 3
Resistance to bending	Pliable (static only)	Pliable (static only)
Resistance to burning	Non flame propagating	Non Flame propagating
UV resistance <sup>1</sup>	Yes <sup>2</sup>	Yes
Chemical resistance	High <sup>3</sup>	High <sup>3</sup>
Compliance		
Manufacturing standard	AS/NZS 61386.22	AS/NZS 61386.22
Environmental	ISO 14001	ISO 14001
Recyclable PVC	Yes	Yes
3rd party verification	BV Lic. 2975	BV Lic. 2975

<sup>1</sup> Exceeds AS/NZS 61386.1 requirements

<sup>2</sup> Meets the requirements of AS/NZS5033 - Installation & Safety Requirements for Photovoltaic (PV) Arrays

<sup>3</sup> Avoid contact with ketones, esters, aromatic and chlorinated solvents





# ARMA HD

CORRUGATED CONDUIT SYSTEMS

Length	DN (mm)	Product Code
25m	20	30.20HD.25.GY
	25	30.25HD.25.GY
	32	30.32HD.25.GY
100m	20	30.20HD.100.GY
	25	30.25HD.100.GY



# ARMA MD








CORRUGATED CONDUIT SYSTEMS

Length	DN (mm)	Product Code
25m	20	30.20MD.25.GY
	25	30.25MD.25.GY
	32	30.32MD.25.GY
	40	30.40MD.25.GY
	50	30.50MD.25.GY
100m	20	30.20MD.100.GY
	25	30.25MD.100.GY

## PRODUCT FEATURES

### PERFORMANCE

### ASSURANCE

	 UV RESISTANCE (T)	 MEDIUM DUTY 3331	 HEAVY DUTY 4431	 SERVICE TEMPERATURE RANGE	 PLIATECH™	 COMPLIANCE (AS/NZS 61386 Pliable)	 RECYCLABLE PVC
--	---	--	---	---	---	---	--

ARMA® HD

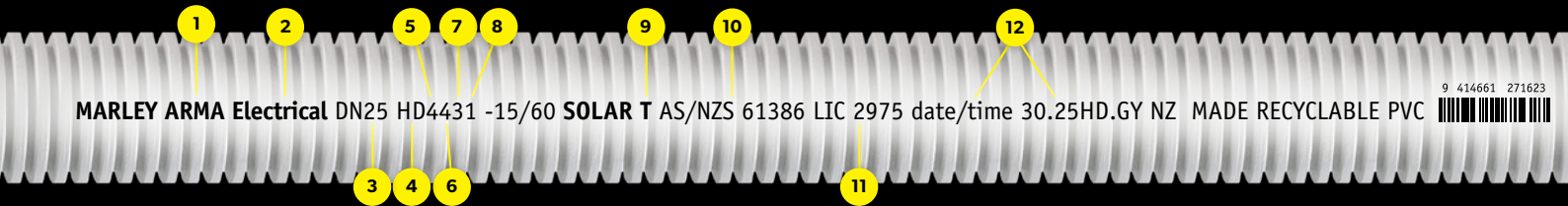


ARMA® MD



# PRODUCT AUTHENTICITY

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



- 1 Manufacturer and/or brand name identification
- 2 Designed specifically to protect electrical wiring
- 3 Nominal size
- 4 Classification Rating
- 5 Compression Duty Rating (Rating 4 = Heavy Duty)
- 6 Impact Duty Rating (Rating 4 = Heavy Duty)
- 7 Minimum Service Temperature rating (Rating 3 = -15°C)
- 8 Maximum Service Temperature rating (Rating 1 = 60°C)
- 9 T = UV Resistance
- 10 New Manufacturing Standard
- 11 3<sup>rd</sup> party License Verification for the specific manufacturing site
- 12 Exact date and time of manufacture and Marley item code for easy tracking

Ask for ARMA<sup>®</sup>  
corrugated conduit  
with PliaTech<sup>™</sup>

