

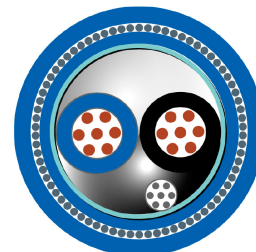


Technical Data

Document Reference

24/03235R1

EN 50288-7 -
500 V



RAMCROii - INSTRUMENTATION Cable

For standard applications, low smoke, Halogen Free, UV & Hydrocarbon Res.

Single-Pair, XLPE-Insulation, Collective Screen, SWA armour, LSZH-Sheath

Code: MAS0115ADYWU-RE5

PO/CAM/PO/SWA/PO

Application

These cables are designed to connect electrical instrument circuits and provide communication services in and around process plant (e.g. petrochemical industry etc.). Suitable for direct buried application

Construction		1x2x1,5 mm2	
Formation	1 Pair	Unit	Nominal Value
Section	1,5 mm ²		
Conductor	Plain annealed copper wire, 7 strand	mm	1,5
Insulation	Cross Linked Polyolefine	mm	2,2
Colour Code	Blue, Black		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape		
Collective Screen	0,026 mm Aluminium / PETP tape over tinned copper drain wire		
Inner Sheath	Polyolefine - LSZH - Blue RAL 5015	mm	6,3
Armour	Galvanized Steel Wires	mm	8,1
Outer Sheath	Polyolefine - Blue RAL 5015	mm	10,7
Cable Printing	<meterMarking> RAMCRO - RE-2X(St)HRH - 1x2x1,5 mm2 - 500V - EN 50288-7 IEC 60332-3 - IEC 60332-1 <batch>		

Technical Data & Standard References

Fire Propagation:			
- Test on single cable	IEC 60332-1	Construction Reference Standard	EN 50288-7 - 500 V
- Test on bunched cables	IEC 60332-3-22 Cat. A	Type of Cable	Instrumentation Cable
		Low Voltage Directive	2014/35/UE
Limiting Oxygen Index (LOI)	(min 37%)	Other References:	
Smoke Density	IEC 61034	- IEC 60228	
Amount of halogen acid gas	IEC 60754-1 (max 0,5%)	- IEC 60332-1	
Acidity (ph value) and conductivity	IEC 60754-2	- IEC 60332-3-24	
		- NF C 32-020	
Notes			

Electrical & Mechanical Data

Conductor Cross-section	Nom.	1,5 mm ²	Temperature Range:	
DC Resistance per core at 20° C	max Ω/km	12,3	During Installation	° C -5° C up to +50° C
Insulation Resistance at 20° C	min MΩ*km	1000	Fixed Installation	° C -30° C up to +75° C
Mutual Capacitance	max nF/km	150	Insulation Operation	-30° C up to +90° C
Inductance	max mH/km	1	Min. Bending Radius	mm 14 x cable diameter
Test Voltage - Core/Core	V	2000	Max Pulling Tension	N 143
Test Voltage - Core/Screen	V	2000	Weight Approx	kg/km 262
L/R Ratio	max µH/Ω	40		
Operating Voltage	V	500		



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