

RAMCRO - DATA LAN KNX - EIB Cable

For standard applications, flame retardant.

Single Quad, PE-Insulation, Collective Screened, PVC-Sheath

SAM4108HIADX-RB

Application

KNX is a standardised (EN 50090, ISO/IEC 14543), OSI based network communications protocol for intelligent buildings. KNX is the successor to, and convergence of, three previous standard: the European Home Systems Protocol (EHS), BatiBUS, and European Installation Bus (EIB or InstaBUS)

Construction

Formation	1 Quad	Unit	Nominal Value
Section	0,8 mm		
Conductor	Plain annealed copper wire, Solid	mm	0,8
Insulation	Polyethylene - PE	mm	1,4
Colour Code	Black, Red, White, Green		
Individual Screen	N.A.		
Wrapping	at least 1 layer of plastic tape 0,023 mm		
Collective Screen	0,026 mm Aluminium / PETP tape over tinned copper drain wire		
Inner Sheath	N.A.		
Armour	N.A.		
Outer Sheath	Polyvinyl chloride - PVC - Green RAL 6018	mm	5,7
Cable Printing	RAMCRO ITALY R1217 EIB CABLE 4x0.8mm SCREENED PVC - SAM4108HIADX-RB + "sett.prod/18" + Batch n° + Meter Marking		

Technical Data & Standard References

Fire Propagation:		Type of Cable:	DATA LAN KNX - EIB Cable
- Test on single cable	IEC 60332-1	Low Voltage Directive	2014/35/UE
- Test on bunched cables	IEC 60332-3	Other References:	
Limiting Oxygen Index (LOI)	(min 30%)		
Smoke Density	IEC 61034		
Amount of halogen acid gas	IEC 60754-1 (max 15%)		
Acidity (ph value) and conductivity	IEC 60754-2		
Sunlight resistance	UL 1581 section 1200		
Notes			

Electrical & Mechanical Data

Conductor Cross-section	Nom.	0,8 mm	Temperature Range:	
DC Resistance per core at 20° C	max	Ω/km	37	° C -30°C up to 80°C
Insulation Resistance at 20° C	min	MΩ*km	1000	° C -30°C up to 80°C
Nominal Mutual Capacitance	max	pF/m	100	
Inductance	max	mH/km	1	Min. Bending Radius
Test Voltage - Core/Core	V	2000		mm
Test Voltage - Core/Screen	V	2000		8 x cable diameter
Operating Voltage	V	300	Put up length	mt
				99
				58

Issued by: RAMCRO S.p.A.

Prepared by RAMCRO Tech

Creator: LDG



Via Marzorati, 15 - 20014 Nerviano - Milan - Italy / www.ramcro.it

Transfer to third parties only under authorization by Ramcro S.p.A.

Printing errors excepted. Subject to alterations.

Date of issue:

23/10/2019 00:00

Empty Form