info@condenerg.com | www.condenerg.com

Barcelona Main Office
Polígono Industrial Can Singla, Nave 6 | 08640 Olesa de Montserrat, Barcelona
Phone (+34) 93 770 36 21 | Fax (+34) 93 770 36 00

Madrid Commercial Office
Polígono Industrial Villaverde. C/ Laguna del Marquesado, 14 Nave 4 | 28021 Madrid.
Phone (+34) 91 708 50 30 | Fax (+34) 91 710 02 66

Factory
Polígono Industrial Bosc de Can Cuca. C/ Comerç, s/n Nave 8 | 17410 Sils (Gerona).
Phone (+34) 972 16 88 51 | Fax (+34) 972 16 82 60

TECHNICAL DATASHEET & SPECIFICATIONS

26/04-0464012080U6 - 0464022080u6 -0464032080u6-1364032050u6-5682-5283-241-DE/HD

Type: DATAXCOM 2Y(St)CH RS-485 LSZH

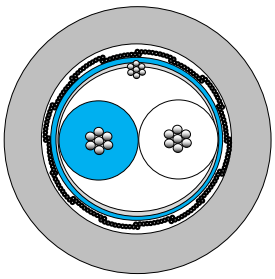
Conductor: 0.34mm2 (AWG22) or 0.22mm2 (AWG24)
Overall Al/Pet shielded + TC Braid shield.

APLICATION

Flexible cable designed to be used in the transmission of data and signals for the wiring of instrumentation, equipment, automation systems. Both for industrial and domestic uses.
With protection against electromagnetic interference.
In case of fire, it does not emit toxic substances or corrosive gases. Protects public health and prevents damage to electronic equipment.
Specially designed for RS-485, Modbus, BACnet MS/TP, OSDP, CANopen, and DMX512 applications.

CONSTRUCTION PARAMETERS

Conductor:	Flexible Tinned Copper acc. to UNE-EN 13602.
Insulation:	Polyethylene acc. to UNE-EN 50290-2-23
Identification:	1 pair: White / Blue 2 pairs: White/Blue, White/Orange 4 pairs: White/Blue, White/Orange, White/Green, White/Brown
Assembly:	Twisted Pairs.
Overall Shielding:	Polyester tape + Multi-wire tinned copper drain wire + Aluminium/polyester tape+ Tinned Copper Braid shield (80% coverage).
Outer sheath:	Polyolefin LSZH acc. to UNE-EN 50290-2-27
Colour:	GREY RAL 7001



DATAXCOM 1x2x0,34 Al Sh

MECANICAL CHARACERISTICS

Conductor temperature:	+90°C.
Operating temperature:	-30°C to +70°C.
Bending Radius:	8 x Diameter.

Information and specifications described herein are confidential. Information and specifications described herein are subject to change by Condenerg without previous notice.

info@condenerg.com | www.condenerg.com

Barcelona Main Office
Polígono Industrial Can Singla, Nave 6 | 08640 Olesa de Montserrat, Barcelona
Phone (+34) 93 770 36 21 | Fax (+34) 93 770 36 00

Madrid Commercial Office
Polígono Industrial Villaverde. C/ Laguna del Marquesado, 14 Nave 4 | 28021 Madrid.
Phone (+34) 91 708 50 30 | Fax (+34) 91 710 02 66

Factory
Polígono Industrial Bosc de Can Cuca. C/ Comerç, s/n Nave 8 | 17410 Sils (Gerona).
Phone (+34) 972 16 88 51 | Fax (+34) 972 16 82 60

ELECTRICAL CHARACTERISTICS

Operating voltage:	300 V/ 300 V
Test voltage:	2000 V.
Conductor Nominal Resistance:	Tab 1.
Mutual capacitance cond/cond:	< 45 pF/m
Mutual capacitance cond/shield:	< 81 pF/m.
Insulation resistance:	> 10 MΩxkm at 20ºC.
Impedance:	120 Ω/Km ± 10%
Velocity of propagation	68%

Tab 1:

PHYSICAL CHARACTERISTICS				
Number of conductors.	Conductor cross section (mm^2)	Conductor Nominal Resistance (Ω/Km)	Outer nominal diameter (mm)	Weight (Kg/Km)
1 x 2 x AWG22	0.34	59	7.5	61
2 x 2 x AWG22	0.34	59	11.7	104
3 x 2 x AWG22	0.34	59	12.7	155
4 x 2 x AWG22	0.34	59	13.9	180
1 x 2 x AWG24	0.22	88.5	5.9	45
2 x 2 x AWG24	0.22	88.5	8.5	60
3 x 2 x AWG24	0.22	88.5	9.6	85
4 x 2 x AWG24	0.22	88.5	10.2	96

NORMS & STANDARDS	
TEST	STANDARD
Construction	According to UNE 50288-7
Flame Retardant	UNE EN 60332-1-2; IEC 60332-1-2
Fire Retardant	IEC 60332-3-24
Low Smoke emission	UNE EN 61034-2; IEC 61034-2
Halogen Free	UNE EN 60754-2-1 ; IEC 60754-1
Low corrosivity of gases	UNE EN 60754-2-2 ; IEC 60754-2

Information and specifications described herein are confidential. Information and specifications described herein are subject to change by Condenerg without previous notice.