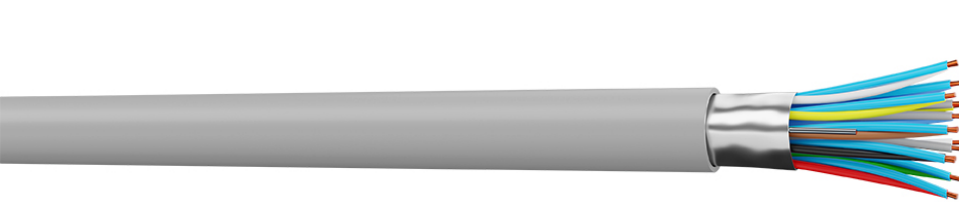


SYTxyySHCGzz

SYT LSZH Cca s2,d2,a2 Grey telephone cable**DESCRIPTION**

SYT1 SHC telephone cables are designed for high-speed digital connections indoors. Their halogen-free CPR Cca s2, d2, a2 sheath and IEC 60332-3 rating make them ideal for industrial sites, nuclear facilities, and public infrastructure ERP IGH.

**ADVANTAGES**

- CPR: Cca s2, d2, a2
- LSZH

AXCITY
/ ADALTRA**CONSTRUCTION & TECHNICAL PERFORMANCE**

Core gauge	AWG20
Conductor material	Bare copper
Insulation Material	PE
Insulation Identification Method	NF C93-529
Overall Shielding	Alu/pes tape with drain wire
Outer Sheath Material	LSZH
Color	Grey
Minimum diameter of the outer sheath (mm)	5.7
Nom. diameter of the outer sheath (mm)	6
Max. diameter of the outer sheath (mm)	6.3
Construction (mm ²)	2 x 2 x AWG20

ELECTRICAL CHARACTERISTICS

Service Voltage (V)	100 V
Linear electrical resistance (Ω /Km)	AWG20: ≤ 40.5 Ohms/km AWG24: ≤ 101 Ohms/km

TRANSMISSION CHARACTERISTICS

Propagation speed (%)	66
Characteristic Impedance (Ohms)	100 Ohms

Updated: 23/09/2026

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MECHANICAL CHARACTERISTICS

Bending Radius in Fixed Installation	10 x Ø ext
Bending Radius in Mobile Installation	20 x Ø ext

ENVIRONMENTAL CHARACTERISTIC

CPR classification	Cca s2, d2, a2
UV Resistance	NO
Fixed Use Temperature	-30°C / +70°C
Mobile Use Temperature	-5°C / +70°C
Installation Temperature	0°C
Fire behaviour	IEC 60332-1, Iec 60332 3 24 Cat. of
Fire Behavior Type	Flame retardant IEC 60332-1 Fire retardant IEC 60332-3-24
Halogen-free Standard	IEC 60754-1/-2 IEC 61034-2

ORDER INFORMATION

REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
SYT124SHCG	1x2xAWG24	3.6	18
SYT224SHCG	2x2xAWG24	4.6	27
SYT324SHCG	3x2xAWG24	4.7	32
SYT524SHCG	5x2xAWG24	5.6	47
SYT724SHCG	7x2xAWG24	6.2	60
SYT1024SHCG	10x2xAWG24	7.6	80
SYT1524SHCG	15x2xAWG24	9.6	120
SYT2124SHCG	21x2xAWG24	11.1	155
SYT3024SHCG	30x2xAWG24	12.6	200
SYT4224SHCG	42x2xAWG24	13.9	280
SYT5624SHCG	56x2xAWG24	15.6	355
SYT11224SHCG	112x2xAWG24	21.6	690
SYT120SHCG	1x2xAWG20	3.8	25
SYT220SHCG	2x2xAWG20	6.0	50
SYT320SHCG	3x2xAWG20	6.4	55
SYT520SHCG	5x2xAWG20	7.3	90
SYT720SHCG	7x2xAWG20	8.2	115
SYT1020SHCG	10x2xAWG20	10.2	160
SYT1520SHCG	15x2xAWG20	11.6	220

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REFERENCE	CONSTRUCTION	Ø SHEATH NOM (MM)	WEIGHT (KG/KM)
SYT2120SHCG	21x2xAWG20	15.2	310
SYT3020SHCG	30x2xAWG20	16.6	420
SYT4220SHCG	42x2xAWG20	19.2	585
SYT5620SHCG	56x2xAWG20	21.1	775
SYT11220SHCG	112x2xAWG20	30.0	1485