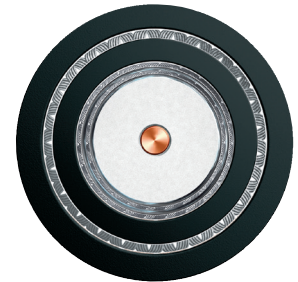


Quad Shield Cable for ControlNet Applications DataGuard® (GSWB) HFFR

Cable Design 24402186044

Conductor	Solid plain copper wire
Diameter	Ø 1,0 mm
Dielectric	Foam Polyethylene (PE)
Diameter	Ø 4,60 mm
Shield 1°	Aluminium/polyester/Aluminium tape
Coverage	100 %
Diameter	Ø 4,70 mm
Shield 2°	Aluminium braid outer conductor
Coverage	57 %
Diameter	Ø 5,35 mm
Shield 3°	Aluminium/polyester/Aluminium tape
Coverage	100 %
Diameter	Ø 5,45 mm
Shield 4°	Aluminium braid outer conductor
Coverage	40 %
Diameter	Ø 6,10 mm
Inner Jacket	LSZH FireFighter®, Black
Diameter	Ø 7,60 ± 0,20 mm
Armour	DataGuard® Galvanised Steel Wire Braid (GSWB)
Outer Jacket	LSZH FireFighter®, Black
Diameter	Ø 10,40 ± 0,40 mm



Electrical Data @ 20° C

Impedance		75 ± 3	0hm
Capacitance		53	pF/m
Velocity ratio		84	%
Screening effectiveness	100-900 MHz	> 95	dB
Inner conductor resistance		22,5	0hm/km
Outer conductor resistance		10,5	0hm/km

Attenuation

Frequency (MHz)	dB/100m
50	4,4
230	9,6
470	13,9
860	19,5
1000	21,3
1350	25,0
1500	27,0
1750	29,1
2150	32,8
2400	35,2

Structural Return Loss

Frequency (MHz)	dB
30-470	> 31
470-860	> 30
860-2400	> 26

Standards

Flame Retardant	IEC 60332-1 flame resistance for single cables
Flame Retardant	IEC 60332-3 flame resistance for bunched cables
Halogen Free	IEC 60754 series
Smoke Emission	IEC 61034 series