

# Thermocouple Extension & Compensating Cables

500V Individual & Collective Screen  
XLPE Insulated, ISOS, Unarmoured or Armoured, LSZH Sheathed Cable  
Type EX (NiCr/CuNi) Extension Cable  
Model Code: Type EX-XIOL or Type EX-XIOLSL



Application :	This flame retardant cable is designed for interconnection between thermocouple probes and control instrumentation
Construction :	Nickel chromium/copper nickel, XLPE insulation, individual & overall screen, unarmoured or galvanized steel wire armoured, LSZH sheathed cable
Insulation Colour :	(+) Violet (NiCr), (-) White (CuNi)
Sheath Colour :	Violet
Operating Temperature :	-25°C ~ +200°C
Maximum Temperature:	500°C

Standard Reference	IEC 60584-3, BS EN 60584-3, BS EN 50288-7
Flame Retardant Ref.	EC 60332-3, IEC 60754 IEC 61034

Conductor			Insulation Thickness (mm)	Unarmoured			Armoured		
Nominal Area (mm <sup>2</sup> )	No. of Pair (no.)	Stranded Dia. (mm)		Part No.	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)	Part No.	Approx. Overall Dia. (mm)	Approx. Weight (kg/km)
0.5	2P	0.8	0.6		11.0	119		15.8	410
	4P			12.5	178		17.5	521	
	5P			14.0	218		19.0	597	
	8P			17.0	329		23.2	932	
	10P			19.5	414		25.5	1096	
	12P			20.2	465		26.5	1174	
	16P			22.5	595		29.0	1384	
	20P			25.2	726		32.5	1805	
1.0	2P	1.13	0.6		12.0	154		17.0	474
	4P			14.0	247		19.2	633	
	5P			15.5	295		20.5	712	
	8P			19.5	459		25.2	1130	
	10P			21.8	566		28.0	1330	
	12P			22.8	653		29.0	1454	
	16P			25.5	840		32.6	1940	
	20P			28.6	1044		36.0	2286	
1.3	2P	1.29	0.6		13.0	180		18.0	531
	4P			15.0	289		20.2	697	
	5P			16.5	347		22.5	925	
	8P			20.2	529		26.6	1250	
	10P			23.2	665		30.5	1663	
	12P			24.4	768		31.5	1807	
	16P			27.0	989		34.5	2168	
	20P			30.5	1227		39.0	2830	
1.5	2P	1.38	0.6		13.2	193		18.5	542
	4P			15.5	311		20.8	711	
	5P			17.0	374		23.0	945	
	8P			21.0	572		27.2	1275	
	10P			24.0	719		31.0	1714	
	12P			25.0	831		32.0	1860	
	16P			28.0	1072		35.5	2208	
	20P			31.5	1331		39.8	2886	