

Maximum cable lengths

HS-100I ATEX Accelerometers

In addition to the integral cable length we can provide additional length of cable to suit your needs.

To calculate the maximum cable length apply the following:
 Integral cable length + additional cable length = Maximum cable length

HS100I Non-Armoured Silicone Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	233m
Group IIB	1983m
Group IIA	6711m

Integral Cable Length ≤ 50m

Group IIC	138m
Group IIB	1888m
Group IIA	6616m

Integral Cable Length ≤ 92m

Group IIC	35m
Group IIB	1785m
Group IIA	6513m



HS100I Non-Armoured Silicone Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	198m
Group IIB	649m
Group IIA	1777m

Integral Cable Length ≤ 50m

Group IIC	103m
Group IIB	554m
Group IIA	1682m

Integral Cable Length ≤ 92m

Group IIC	0m
Group IIB	451m
Group IIA	1578m



HS100I Non-Armoured PUR Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	97m
Group IIB	825m
Group IIA	2787m

Integral Cable Length ≤ 50m

Group IIC	57m
Group IIB	786m
Group IIA	2754m

Integral Cable Length ≤ 92m

Group IIC	14.7m
Group IIB	743m
Group IIA	2711m



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HS100I Non-Armoured PUR Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	82m
Group IIB	270m
Group IIA	739m

Integral Cable Length ≤ 50m

Group IIC	42m
Group IIB	230m
Group IIA	700m

Integral Cable Length ≤ 92m

Group IIC	0m
Group IIB	187m
Group IIA	657m



HS100I With Armoured Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	301m
Group IIB	2560m
Group IIA	8660m

Integral Cable Length ≤ 50m

Group IIC	178m
Group IIB	2438m
Group IIA	8543m

Integral Cable Length ≤ 92m

Group IIC	45m
Group IIB	2305m
Group IIA	8410m



HS100I With Armoured Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	256m
Group IIB	838m
Group IIA	8660m

Integral Cable Length ≤ 50m

Group IIC	133m
Group IIB	715m
Group IIA	8543m

Integral Cable Length ≤ 92m

Group IIC	0m
Group IIB	582m
Group IIA	2038m



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HS100I Non-Armoured ETFE Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	315m
Group IIB	2673m
Group IIA	9047m

Integral Cable Length ≤ 50m

Group IIC	186m
Group IIB	2545m
Group IIA	8919m

Integral Cable Length ≤ 92m

Group IIC	47m
Group IIB	2406m
Group IIA	8780m



HS100I Non-Armoured ETFE Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	267m
Group IIB	875m
Group IIA	2395m

Integral Cable Length ≤ 50m

Group IIC	149m
Group IIB	747m
Group IIA	2267m

Integral Cable Length ≤ 92m

Group IIC	0m
Group IIB	608m
Group IIA	2128m



Maximum cable lengths

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HS100I 2 Pin MS/M12 Connector – Max. Cable Length

Armoured Cable for a Galvanic Isolator

Group IIC	311m
Group IIB	2570m
Group IIA	8670m

Armoured Cable for a Zener Barrier

Group IIC	266m
Group IIB	848m
Group IIA	8670m

Non-Armoured PUR Cable for a Galvanic Isolator

Group IIC	107m
Group IIB	835m
Group IIA	2797m

Non-Armoured PUR Cable for a Zener Barrier

Group IIC	92m
Group IIB	208m
Group IIA	749m

Silicon Cable for Galvanic Isolator

Group IIC	243m
Group IIB	1993m
Group IIA	6711m

Silicon Cable for Zener Barrier

Group IIC	208m
Group IIB	659m
Group IIA	1787m

M12 Moulded PUR for Galvanic Isolator

Group IIC	316m
Group IIB	1700m
Group IIA	5138m

M12 Moulded PUR for Zener Barrier

Group IIC	425m
Group IIB	5791m
Group IIA	20290m

