

Maximum cable lengths

HS-420I/422I 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

HS420I With Armoured Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	336m
Group IIB	2691m
Group IIA	9912m

Integral Cable Length ≤ 50m

Group IIC	294m
Group IIB	2649m
Group IIA	9070m

Integral Cable Length ≤ 92m

Group IIC	245m
Group IIB	2600m
Group IIA	9021m



HS420I With Armoured Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	280m
Group IIB	863m
Group IIA	2319m

Integral Cable Length ≤ 50m

Group IIC	238m
Group IIB	821m
Group IIA	2277m

Integral Cable Length ≤ 92m

Group IIC	189m
Group IIB	771m
Group IIA	2228m



HS420I PUR Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	108m
Group IIB	867m
Group IIA	2929m

Integral Cable Length ≤ 50m

Group IIC	95m
Group IIB	854m
Group IIA	2924m

Integral Cable Length ≤ 92m

Group IIC	79m
Group IIB	838m
Group IIA	2908m



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HS420I PUR Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	90m
Group IIB	278m
Group IIA	747m

Integral Cable Length ≤ 50m

Group IIC	76m
Group IIB	264m
Group IIA	734m

Integral Cable Length ≤ 92m

Group IIC	61m
Group IIB	248m
Group IIA	718m



HS420I Silicone Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	260m
Group IIB	2084m
Group IIA	7038m

Integral Cable Length ≤ 50m

Group IIC	228m
Group IIB	2051m
Group IIA	7024m

Integral Cable Length ≤ 92m

Group IIC	190m
Group IIB	2013m
Group IIA	6986m



HS420I Silicone Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	217m
Group IIB	668m
Group IIA	1796m

Integral Cable Length ≤ 50m

Group IIC	184m
Group IIB	635m
Group IIA	1763m

Integral Cable Length ≤ 92m

Group IIC	146m
Group IIB	597m
Group IIA	1725m



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HS420I Fire Resistant PUR Cable for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	607m
Group IIB	4854m
Group IIA	16390m

Integral Cable Length ≤ 50m

Group IIC	531m
Group IIB	4778m
Group IIA	16390m

Integral Cable Length ≤ 92m

Group IIC	443m
Group IIB	4689m
Group IIA	16272m



HS420I Fire Resistant PUR Cable for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	506m
Group IIB	1556m
Group IIA	4183m

Integral Cable Length ≤ 50m

Group IIC	430m
Group IIB	1481m
Group IIA	4107m

Integral Cable Length ≤ 92m

Group IIC	341m
Group IIB	1392m
Group IIA	4018m



HS420I PUR Cable with Moulded M12 Connector for Galvanic Isolator – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	800m
Group IIB	6391m
Group IIA	21583m

Integral Cable Length ≤ 50m

Group IIC	700m
Group IIB	6291m
Group IIA	21541m

Integral Cable Length ≤ 92m

Group IIC	583m
Group IIB	6175m
Group IIA	21425m

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HS420I PUR Cable with Moulded M12 Connector for Zener Barrier – Max. Cable Length

Integral Cable Length ≤ 10m

Group IIC	665m
Group IIB	2050m
Group IIA	5508m

Integral Cable Length ≤ 50m

Group IIC	566m
Group IIB	1950m
Group IIA	5408m

Integral Cable Length ≤ 92m

Group IIC	450m
Group IIB	1833m
Group IIA	5291m

Maximum cable lengths

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HS420I/422I 2 Pin MS/M12 Connector – Max. Cable Length

Armoured Cable for a Galvanic Isolator

Group IIC	346m
Group IIB	2701m
Group IIA	9922m

Armoured Cable for a Zener Barrier

Group IIC	290m
Group IIB	873m
Group IIA	2329m

Non-Armoured PUR Cable for a Galvanic Isolator

Group IIC	118m
Group IIB	877m
Group IIA	2939m

Non-Armoured PUR Cable for a Zener Barrier

Group IIC	100m
Group IIB	288m
Group IIA	757m

Silicon Cable for Galvanic Isolator

Group IIC	270m
Group IIB	2094m
Group IIA	7048m

Silicon Cable for Zener Barrier

Group IIC	227m
Group IIB	678m
Group IIA	1806m

Fire Resistant PUR for Galvanic Isolator

Group IIC	617m
Group IIB	4864m
Group IIA	16400m

Fire Resistant PUR for Zener Barrier

Group IIC	516m
Group IIB	1566m
Group IIA	4193m

