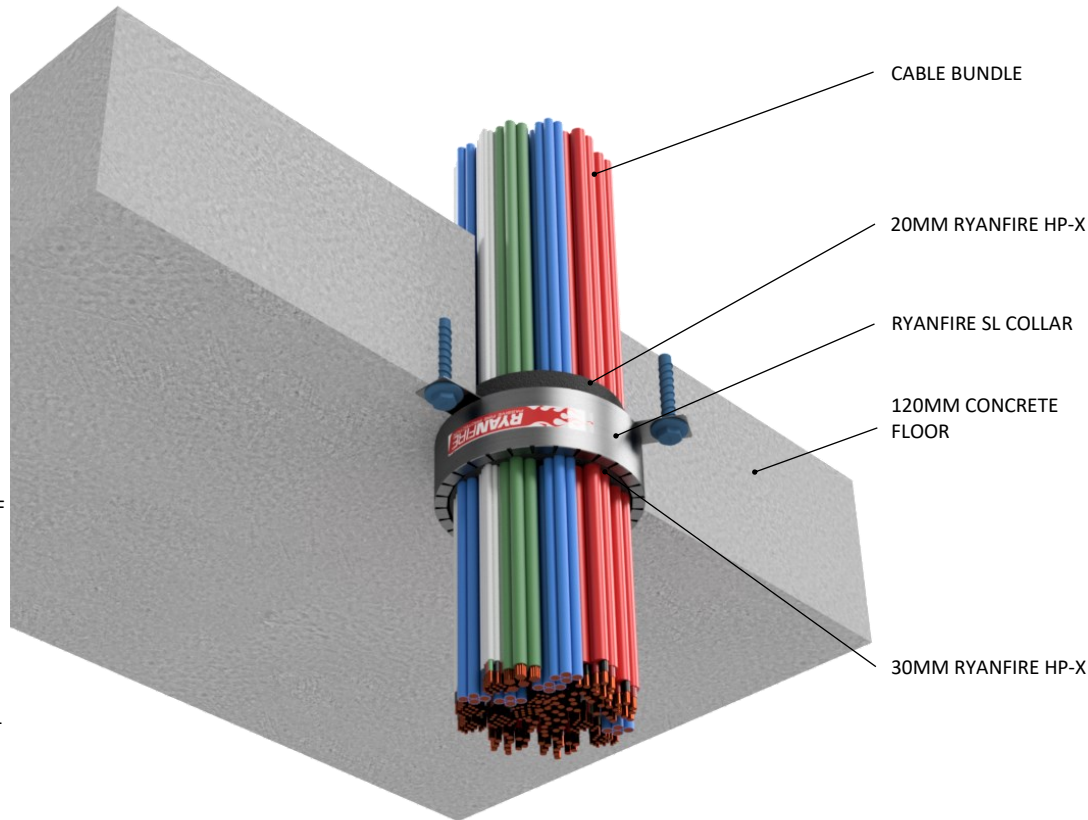


**INSTALLATION INSTRUCTIONS**

1. ENSURE THE APERTURE IS CLEAN AND FREE OF ANY DUST AND DEBRIS.
2. APPLY RYANFIRE HP-X TO A NOMINAL DEPTH OF 20MM INTO THE ANNULAR GAP AND IN BETWEEN THE CABLES. ENSURE THE GAP IS COMPLETELY FILLED.
3. SELECT THE CORRECT SIZE RYANFIRE SL COLLAR TO FIT AROUND THE CABLE BUNDLE.
4. FIT THE SL COLLAR AROUND THE BUNDLE AND SLIDE IT UP UNTIL IT IS FLUSH TO THE BOTTOM SURFACE OF THE FLOOR.
5. SECURE THE SL COLLAR TO THE FLOOR WITH 32MM CONCRETE ANCHOR BOLTS. ENSURE ALL FIXING POINTS ARE USED.
6. APPLY RYANFIRE HP-X INTO THE ANNULAR GAP BETWEEN THE COLLAR AND THE CABLES TO THE FULL DEPTH OF THE COLLAR (30MM).
7. REMOVE ANY EXCESS HP-X WITH A DAMP CLOTH.



**Products:** RYANFIRE SL COLLAR  
RYANFIRE HP-X  
**Approval:** AS 1530.4/4072.1  
**BK:** 89  
**Ref:** PF 20091  
**ID:** B, J  
**Scenario:** Penetration seal to cable bundles

**Services:** Up to Ø80mm cable bundle  
TPS, Cat6, Fire Alarm, D2

**Annular:** 0-4mm

**Construction:** 120mm concrete floor

**Fire Integrity:** 120 minutes } Up to Ø25mm  
**Fire Insulation:** 120 minutes }

**Fire Integrity:** 120 minutes } Up to Ø80mm  
**Fire Insulation:** 90 minutes }

Web based drawings are for example only, fire performance of any system is dependant on, but not limited to size of opening, substrate, if penetrations are passing through, type, size and number. Please refer to Ryanfire technical department for detailed and specific fire performance information.



RYANFIRE Technical Support:  
info@ryanfire.co.nz - Tel 09 443 0362

Drawing Title  
**SL Collar & HP-X to cable bundle  
120mm concrete floors**

Scale	Date
<b>NTS</b>	<b>March 2024</b>

Drawing Number	Rev
<b>V29.17</b>	<b>2.0</b>

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