

# Generation, Transmission / Distribution

## 3M™ QS20

### 3M™ Cold Shrink medium voltage inline splice QS20 with integrated plug connector



#### Solutions that will make your work easier

Globally, we constantly develop new innovative products that contribute to the success of our customers. Our products target the market requirements of efficiency, reliability and easy of use. That is why we advance our medium voltage inline splices and provide you with the QS 20 a cold shrink medium voltage inline splice for 1-Core XLPE-cable, with an integrated plug connector. The plug connector provides a simple and secure installation, supporting safe cable connections, even in difficult and challenging field conditions. Make your work easier and assure yourself of the simple handling and the good electrical and mechanical properties of your joint with the 3M cold shrink medium voltage inline splice QS 20.



#### Main Benefits

- Fast and easy installation
- Centered installation is ensured
- Less parking space needed
- Labour and ground works cost savings
- Increase efficiency, reliability and safety of the network
- Problem free installations
- Lower total installed cost

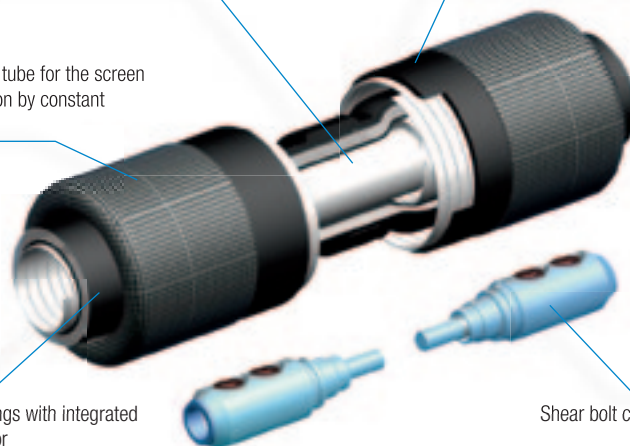
Plug connector with integrated contact

High loadable EPDM Cold shrink external tube

Copper fabric tube for the screen wire installation by constant force springs

4 layer moldings with integrated plug connector

Shear bolt contact termination



# 3M™ Cold Shrink medium voltage inline splice QS20 with integrated plug connector



• Shear bolt contact terminals installation

• Insert the splice body until the audible and noticeable

• Remove inner core of splice, One side  
 • Apply sealing material  
 • Final installation of outer protection tube on cable jacket  
 • Repeat same installation procedure on the other splice side

• Finished

## Selection Table

Type/ Part Number	Diameter on cable jacket	Diameter on primary insulation	Application Range			
			Voltage Level U0/U (Umax) in KV			
			6/10 (12) kV 6,35/11 (12) kV	8,7/15 (17,5) kV	12/20 (24) kV 12,7/22 (24) kV	18/30 (36) kV 19/33 (36) kV
QS 20 24 AC1 50-300	46	19,1-38,0	95-300 mm <sup>2*</sup>	95-300 mm <sup>2*</sup>	50-300 mm <sup>2*</sup>	-
QS 20 36 AC2 50-240	46	19,1-38,0	-	-	-	50-240 mm <sup>2</sup>

\* 300 mm<sup>2</sup> only with Al conductor

