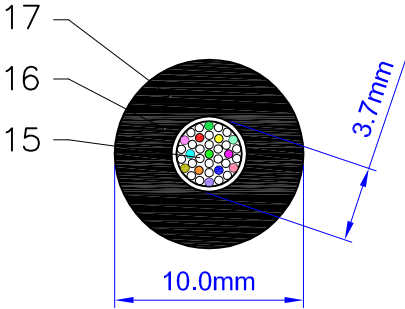


Document type: Design Drawings, Data Sheets						
Project: LINCS 33 kV Supply of Array Submarine Cables and Associated Equipment			Nexans document number: 29958-ETX-XC-205173		Issue: E5	
Document title: Collector Cable Cross Sectional Drawing			Pages: 3 including this cover sheet		Category: EXT	
E5	15.10.2010	Issued for Construction	RET	ATu	SAB	DS
R4	13.10.2010	Issued for Approval	RET	ATu	SAB	DS
R1	30.06.2010	Issued for Approval	RET	ATu	SAB	DS
Issue:	Date:	Document Status:	Prepared:	Checked:	Approved:	Released:
Company:			Company's contract no.:			
 			LINCS/CREL/C/300414			
			Company's document no.:			
			LN-E-EN-021-0000-300414-035			

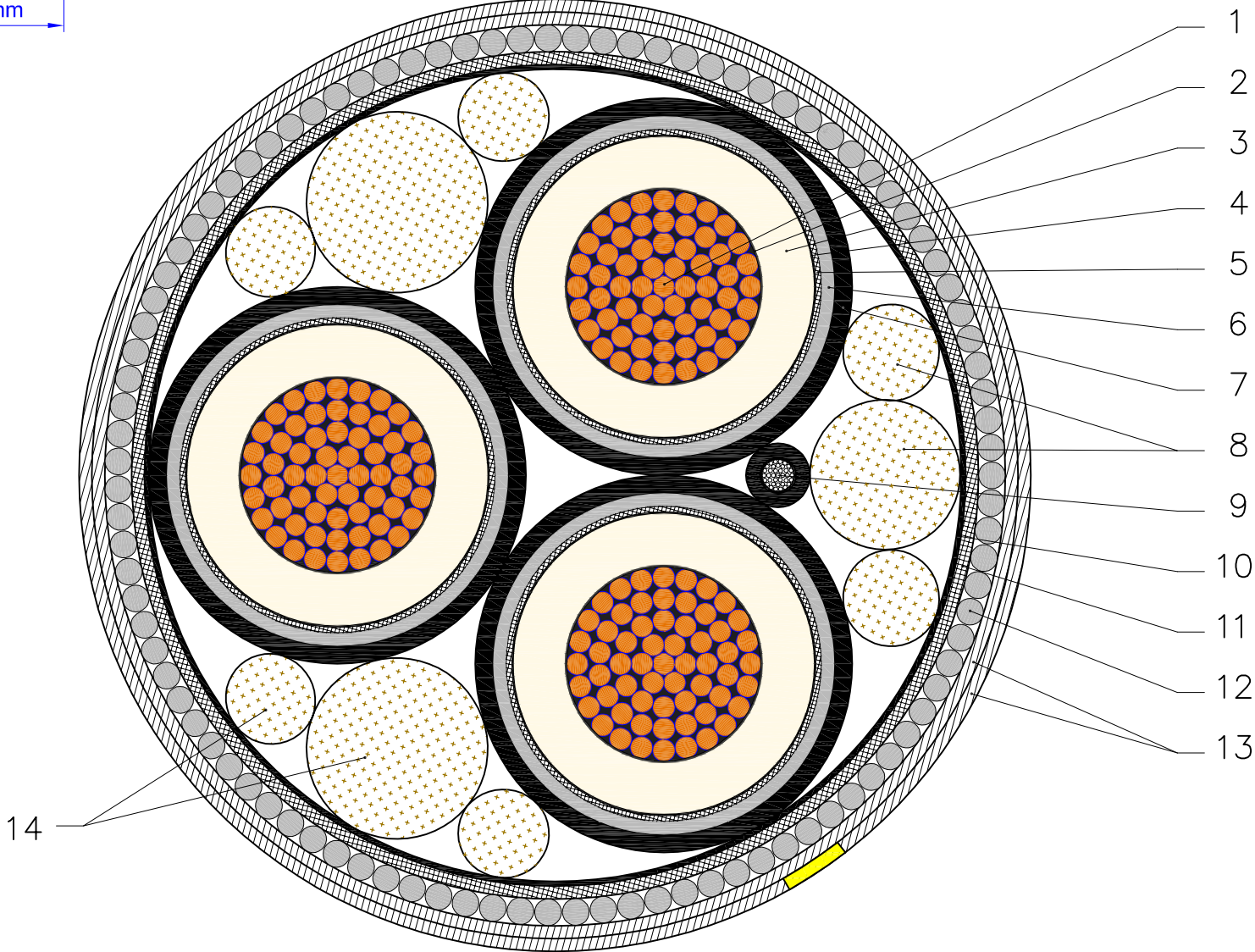
Revision Description Sheet

Rev.	Para.	Revision Description
R1		
R4	R1	Drawing title is revised accordingly to your document review
E5	R4	
Hold No.	Para.	Description of Hold

OPTICAL ELEMENT
(pos.9)

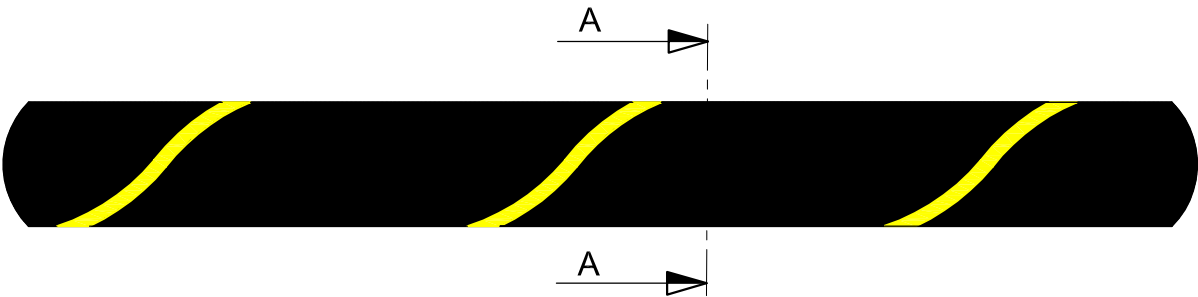


VIEW A-A



	Constituents	Nominal thickness mm	Nominal diameter mm
1	Conductor, stranded copper wires, waterblocked	61x3.7 ^ø	30.6
2	Conductor screen, semiconducting XLPE		
3	Insulation, XLPE	8.0	47
4	Insulation screen, semiconducting XLPE		
5	Semiconducting water swellable tape		
6	Lead alloy sheath	2.0	
7	Semiconducting polyethylene sheath	2.8	59
8	Polypropylene yarn fillers		
9	Optical element		10
10	Binder tape		
11	Inner sheath, semiconducting polyethylene		
12	Armour, galvanized steel wires and bitumen	Approx. 98x4.2 ^ø	
13	Outer serving, polypropylene yarn		149
14	Filler element, PP rope		
Optical Element			
15	Optical fibres (48 Single Mode)		
16	Steel tube, AISI 316 L	0.2	3.7
17	Outer sheath, semiconducting polyethylene		10

Cable weight dry/wet: 48.4/34.3 kg/m



E5	151010	Issued for Construction	RVF	RET	ATu	SAB	
R4	300910	Re-issued for Company Review	RVF	RET	ATu	SAB	
R3	150610	Re-issued for Company Review	RVF	RET	ATu	SAB	
R2	130410	Issued for Company Review	RVF	RET	ATu	SAB	
D1	070410	Issued for IDC	RVF	ATu			
REVISION	DATE	REVISION STATUS	DRAWN BY	PREPARED	CHECKED	APPROVED	COMPANY REVISION
PROJECTION 		SCALE: 1:1	FRAME: A3	NEXANS NORWAY AS			
CONFIDENTIAL. ALL RIGHTS RESERVED PASSING ON OR COPYING OF THIS DOCUMENT, USE AND COMMUNICATION OF CONTENT IS NOT PERMITTED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM NEXANS NORWAY AS				PROJECT/DRAWING TITLE LINCS OFFSHORE WINDFARM Collector Cable Cross Sectional Drawing NXN XLPE Insulated Submarine Cable (F)2X(F)K2Y2YRAA 3x1x630 RM 19/33kV to IEC 60502 - 2 and Electra 171 & 189			
COMPANY 							
COMPANY'S DRAWING NUMBER LN-E-EN-021-0000-300414-035							
CONTRACT NUMBER LINCS/CREL/C/300414							
				NEXANS DOCUMENT/DRAWING NUMBER 29958-ETX-XC-205173			REVISION E5